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(12) United States Patent

Nichols et al.

(54) SOCIAL SECURITY BENEFITS ESTIMATOR FOR MARRIED COUPLES

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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1055 days.
- (21) Appl. No.: 12/604,326
- Filed: Oct. 22, 2009 (22)
- (65)**Prior Publication Data**

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- (51) Int. Cl. G06Q 40/00 (2012.01)G06Q 40/08 (2012.01)G06Q 40/06 (2012.01)G06Q 40/02 (2012.01)
- (52) U.S. Cl. CPC G06Q 40/08 (2013.01); G06Q 40/00 (2013.01); G06Q 40/02 (2013.01); G06Q 40/06 (2013.01)
- (58) Field of Classification Search CPC G06Q 40/00; G06Q 20/29; G06Q 20/22; G06Q 40/04; G06Q 40/08; G06Q 40/02; G06F 17/60 USPC 705/1-50; 235/180 See application file for complete search history.

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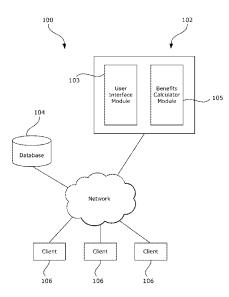
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ABSTRACT (57)

A system for calculating estimated Social Security benefits for married couples. The system includes a server; a display device connected to the server; a user interface module running on the server, the user interface module being configured to receive input from a user and to display content on the display device; and a benefits calculator module running on the server and being configured to receive input data from the user interface module and to output data to the display device. The input data includes data regarding a married couple, including the assumed age of death for both the primary earner and the secondary earner. The system may output an estimated lifetime benefit using a hybrid approach wherein the secondary earner collects a reduced benefit at age 62 and a spousal benefit at full retirement age, and wherein the primary earner collects benefits at age 70.

6 Claims, 8 Drawing Sheets



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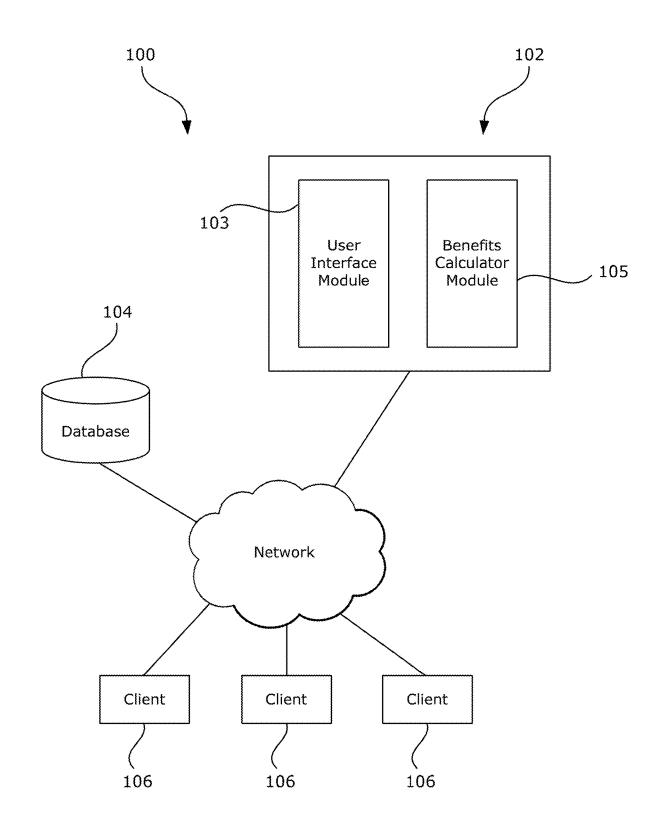


Fig. 1

$[\Box]$	🔿 Social Security Benefits Estimator – Mozilla Firefox			\boxtimes	
	Social Security Benefits Estimator			<u>112</u>	2
_	How Can Married Couples Seek to Maximize Their Benefits?	nefits?			
	After years of paying into Social Security, most of your clients want to get back as much as possible in retirement.	our clients	Nearly three-auarters	<u> </u>	
•	This tool will help your married clients develop a str	ategy for	of recipients today opt		
	maximizing their benefits. It is simpler for your unmarried clients, but for couples, the factors to consider include:	irried clients,	tor reduced benetits		
	 When each spouse should begin receiving benefits 	fits	impact this may have		
	 Longevity assumptions for each spouse 		on their surviving		
	 Whose benefit each spouse collects 		spouse s benefits.		
_	Use your clients' Social Security benefits estimates, combined with ages of death, to illustrate how lifetime benefits might compare under four retirement scenarios.	combined with ages of are under four retirement sce	enarios.		
	Step 1: Enter Your Clients' Data				
	Begin by entering your clients' data into the table below. The information pooled can be found in the addament of entimated Cooled Connetty hencefte178	below. and of antimated Second Second	unite honofile _ 108		
	the information needed can be found in the statement of est that your client should receive each year about three months	rient of estimated social sectores the months -130			
	prior to their birthdays (Duplicate statements can be ordered here.		-124126		
		HUSBAND	MILE MILE		
	Year of Birth		-114 19	114	
	Full Retirement Age (FRA)	Select V	-116 Select V	116	
	Monthly Benefit at 62		-118 \$	118	
	Monthly Benefit at FRA		-120 \$	120	
	Monthly Benefit at 70	→	-122 \$	122	
_ ~				>	
á	Done				
]				1	

Mozilla Firefox	Step 1: Enter Your Clients' Data	prior to their birthdoys (Duplicate statements can be <u>ordered hére.</u>) Year of Birth Year of Birth I ll Retirement Age (FRA) Monthly Benefit at 62 Monthly Benefit at FRA Monthly Benefit at 70 Monthly	A get gray parent recomp barefits. Jour opynent would be about. If you continue working until. *Disability You routinue working until. *Disability You province working until. *Disability You province working until. *Disability You province working until the about. *Survivors You have erred enough credits by used be about. *Survivors You have erred enough credits your spouse and *Survivors You have erred enough to remetits. <i>Hyou became</i> disabled right now, *Survivors You have erred enough credits your spouse and *Survivors You have erred enough to remetits. <i>Hyou became</i> disabled right now, *Survivors You have erred enough credits your spouse and *Survivors You have a number of assumed age of death estimates for each spouse, and each spouse begins taking benefits.
O Social Security Benefits Estimator -	Step 1: Enter Your Clients' Data Begin by entering your clients' data i The information needed can be found that your client should receive each	prior to their birthdays (Duplicate sta Year of Birth Full Retirement Age (FRA) Monthly Benefit at 62 Monthly Benefit at FRA Monthly Benefit at 70 Monthly Benefit at 70	An operating a second and second seco

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FIG.3

	O Social S	🔾 Social Security Benefits Estimator – Mozilla Firefox	imator -	- Mozilla Firefox				<u> </u>
	Social Reference	Social Security Benefits Estimator Reference Table: Estimated Monthly Benefits	ts Estir Aonthly E	nator kenefits			<	<u> </u>
	These amounts Benefits table I		from Soc 144	ial Security-provided	are derived from Social Security-provided data and are used in the Estimated Lifetime ^{Delow.} 142 144 150	the Estimated Lifetime		
136 (Wife's	Wife's Earnings History)	\sim	Husband's Earnings History	۲) ر ¹⁴⁸	2~		
140 /	Age	Monthly Benefit	/ Age	Monthly Benefit	Spousal Benefit*?	Survivor Benefit (?)		
	62	\$ 416	62	\$1,614	\$ 406	\$ 1,862		
	99	\$ 552	66	\$ 2,257	\$ 577	\$ 2,257		
	02	\$ 729	70	\$ 3,042	\$ 400	\$ 3,042		
	*The spousal but the calcul	usal benefit is roun calculations below e	ided to t imploy th	*The spousal benefit is rounded to the nearest whole nurmber but the calculations below employ the actual benefit amount.	umber when indicated in ount.	benefit is rounded to the nearest whole number when indicated in this table for reference, ations below employ the actual benefit amount.	<i></i>	
	Step 2: Estim	Estimated Lifetime Benefits	Benefits					
	The calculator Where the ind calculator sele	The calculator below uses your client Where the individual has a choice of calculator selects the higher benefit.	/our clier choice c r benefit	its' estimated month if benefit, i.e. betwee	The calculator below uses your clients' estimated monthly benefits to illustrate lifetime benefits totals. Where the individual has a choice of benefit, i.e. between their own and a spousal benefit, the calculator selects the higher benefit.	lifetime benefits totals. Nusal benefit, the		
	Run 2–3 dift look for the	3 different illustratio the one that most	often y	different assumed ields the higher estin	Run 2—3 different illustrations using different assumed ages of death, and of the resulting scenarios, look for the one that most often yields the higher estimated combined lifetime benefits.	the resulting scenarios, benefits.		
138		SUMPTION 1						Т
							> ́	$\overline{\mathbf{N}}$
	Done							

FIG.4

	Š O	🔿 Social Security Benefits Estimator –	mator — Mozilla Firefox	refox			134	
		★ ASSUMPTION 1						
138 - (Assumed age of death:	Husband	152 Wite	154			
		AGE BENEFIT BEGINS:	BOTH AT 62*	Both at Fra	BOTH AT 70	Hybrid**		
	L	Wife Benefits	1	I	1		155	
		Spousal Benefit 🖓	1	I	I	1	<u>8</u> 	
	L	Husband Benefits	1	I	I	1	I	
		Survivor Benefit ?	I	I	1	1		
	<u> </u>	Total	1	I	1	1		
	*If † bent	*If the primary earner is younger, but reaches 62 before the secondary has reached FRA, spousal benefit estimates are calculated using the fully reduced (age 62) adjusted spousal benefit. The actual spousal benefit received may be higher.	inger, but reaches ted using the fully be higher.	62 before the secon reduced (age 62) a	dary has reached FRA Ijusted spousal benefit	, spousal The actual		
	tha and this	**The secondary earner collects their own reduced benefit at 62, an unreduced spousal benefit at FRA, and the primary earner collects at age 70. This strategy cannot be illustrated if the two are more than 5 years apart since the primary earner may have to file prior to the secondary reaching FRA. This would result in a reduced spousal benefit.	ier collects their own redu ner collects at age 70. Thi since the primary earner n a reduced spousal benefit.	ced benefit at 62, a is strategy cannot be nay have to file priol	n unreduced spousal t i illustrated if the two to the secondary red	senefit at FRA, are more sching FRA.		
		Add Assumption	(176			180		
]	Start Over	~178		Pri	Print Report		
വ	Done						<u>, </u>	

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FIG.5

0	🔿 Social Security Benefits Estimator – Mozilla Firefox	nator — Mozilla Fire	sfox			X	134
	A ASSUMPTION 1					<	
	Assumed age of death: 168	68 Husband 85	ت مراح 152 Wite (<u>29 -</u>	- 15 2	172 174		
138	AGE BENEFIT BEGINS:	BOTH AT 62*	BOTH AT FRA	BOTH AT 70	Hybrid**		
158	Wife Benefits	\$119,808	\$132,480	\$139,968	\$119,808		
160	Spousal Benefit ?	\$116,920	\$ 138,360	\$ 76,704	\$138,360	/	-156
162	Husband Benefits	\$ 464,832	\$541,680	\$584,064	\$584,064		
164	- Survivor Benefit ?	\$ 156,410	\$ 189,588	\$ 255,528	\$255,528		
166	Total	\$857,970	\$ 1,002,108	\$ 1,056,264	\$1,097,760		
<u>, o o +</u>	*If the primary earner is younger, but reaches 62 before the secondary has reached FRA, spousal benefit estimates are calculated using the fully reduced (age 62) adjusted spousal benefit. The ac spousal benefit received may be higher.	iger, but reaches f ed using the fully r be higher.	32 before the second educed (age 62) ad	her is younger, but reaches 62 before the secondary has reached FRA, spousal e calculated using the fully reduced (age 62) adjusted spousal benefit. The actual eived may be higher.	l, spousal t. The actual		
	** The secondary earner collects their own reduced benefit at 62, an unreduced spousal benefit at FRA, and the primary earner collects at age 70. This strategy cannot be illustrated if the two are more than 5 years apart since the primary earner may have to file prior to the secondary reaching FRA. This would result in a reduced spousal benefit.	ner collects their own reduc ner collects at age 70. This since the primary earner m a reduced spousal benefit.	ed benefit at 62, ar s strategy cannot be ay have to file prior	ner collects their own reduced benefit at 62, an unreduced spousal benefit at F mer collects at age 70. This strategy cannot be illustrated if the two are more since the primary earner may have to file prior to the secondary reaching FRA. a reduced spousal benefit.	benefit at FRA, o are more aching FRA.		
	Add Assumption	ر 176			180		
·	Start Over	-178		La J	Print Report	>	
FIG.6	Je						

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	🔿 Social Security Benefits Estimator – Mozilla Firefox	imator — Mozilla Fi	irefox			J B X
	ASSUMPTION 1					<
	Assumed age of death:	: Husband 85	85 Wife 92	92		
	AGE BENEFIT BEGINS:	BOTH AT 62*	BOTH AT FRA	BOTH AT 70	Hybrid**	
)	Wife Benefits	\$119,808	\$132,480	\$139,968	\$119,808	
	Spousal Benefit (?)	\$116,920	\$138,360	\$ 76,704	\$ 138,360	
	Husband Benefits	\$ 464,832	\$541,680	\$ 584,064	\$ 584,064	
	Survivor Benefit ?	\$156,410	\$189,588	\$ 255,528	\$ 255,528	
	Total	\$857,970	\$ 1,002,108	\$ 1,056,264	\$ 1,097,760	
	*If the primary earner benefit estimates are c spousal benefit received	s younger, but reache alculated using the full may be higher.	primary earner is younger, but reaches 62 before the secondary has reached FRA, spousal estimates are calculated using the fully reduced (age 62) adjusted spousal benefit. The actual benefit received may be higher.	ary has reached FRA, sp usted spousal benefit. Th	iousal ne actual	
	**The secondary earner and the primary earner than 5 years apart sin This would result in a	collects their own red collects at age 70. 1 ce the primary earner reduced spousal benef	**The secondary earner collects their own reduced benefit at 62, an unreduced spousal benefit at FRA and the primary earner collects at age 70. This strategy cannot be illustrated if the two are more than 5 years apart since the primary earner may have to file prior to the secondary reaching FRA. This would result in a reduced spousal benefit.	unreduced spousal bene illustrated if the two an to the secondary reachi	sfit at FRA, e more ng FRA.	
	A ASSUMPTION 2					
182	Assumed age of death:	: Husband 89	89 Wife 97	67		
	AGE BENEFIT BEGINS:	BOTH AT 62*	BOTH AT FRA	BOTH AT 70	Hybrid**	
	Wife Benefits	\$139,776	\$158,976	\$174,960	\$139,776	
	Spousal Benefit ?	\$ 136,406	\$ 166,032	\$ 95,880	\$ 166,032	
	Husband Benefits	\$542,304	\$ 650,016	\$ 730,080	\$ 730,080	
	Survivor Benefit (?)	\$ 178,754	\$216,672	\$ 292,032	\$ 292,032	
	Total	\$ 997,240	\$1,191,696	\$ 1,292,952	\$1,327,920	>
	Done					
1						

FIG.7

SOCIAL SECURITY BENETITS FOR YOU AND YOUR SPOUSE Nearly three-quarters of recipients today opt for reduced benefits-not appreciating the impact this may have an their surviving spouse's benefits. The monthy benefits are derived from data entered from your Social Security statement, and are used in the Estimated Lifetime Benefits below REFERENCE TABLE: ESTIMATED MONTHLY BENETTS Wrie's Estimated Benefits Husband's Estimated Benefits Wrie's Estimated Benefits Husband's Estimated Benefits Wrie's Estimated Benefits Husband's Estimated Benefits Mare abund Age Benefit Monthly Adjusted Spousal Benefit Monthly Adjusted Spousal Survivor Benefit Benefit Benefit Benefit Benefit Benefit Benefit Benefit Benefit Benefit Benefit Benefi	Social Security Benefits Estimator	lefits Estimator					
Nerry three-quarters of recipients lody opt for reduced benefits—not appreciating the impact this may have on their surviving spouse's The monthly benefits are derived from data entered from your Social Security statement, and are used in the Estimated Lifetime Benefits REFERENCE TABLE: ESTIMATED MONTHLY BENETITS Husband's Estimated Benefits Mire's Estimated Benefits Husband's Estimated Benefits Mare Benefit Monthly Adjusted Spousel Mare Benefit Benefit Mare Benefit Benefit Benefit <td< td=""><td>SOCIAL SECURITY BENE</td><td>FITS FOR YOU AND</td><td>YOUR SPOUSE</td><td></td><td></td><td></td><td></td></td<>	SOCIAL SECURITY BENE	FITS FOR YOU AND	YOUR SPOUSE				
REFERENCE TABLE: ESTIMATED MONTHLY BENEFTIS Wife's Estimated Benefits Husbond's Estimated Benefits Mee Benefit Monthly Age Benefit Monthly Begins Benefit Begins Benefit Begins Benefit Benefit Monthly Begins Benefit Begins Benefit Begins Benefit Benefit Benefit Begins Benefit Benefit	Nearly three—quarters of rec The monthly benefits are de	ipients today opt for red rived from data entered	uced benefits—not a from your Social Se	ppreciating t curity staten	he impact this may h nent, and are used in	have on their surviv the Estimated Life	ing spouse's benefits. time Benefits below
Wite's Estimated Benefits Husband's Estimated Benefits Age Benefit Monthly Adjusted Spousal Survivor Begins Benefit Benefit Benefit Benefit 66 \$ 532 \$ 1,614 \$ 406 \$ 1,862 66 \$ 5,2257 \$ 5,71 \$ 2,257 \$ 2,257 70 \$ 3,042 \$ 400 \$ 1,862 66 \$ 2,257 \$ 5,70 \$ 2,257 70 \$ 3,042 \$ 400 \$ 1,862 66 \$ 2,257 \$ 5,70 \$ 2,527 70 \$ 3,042 \$ 400 \$ 1,862 66 \$ 2,257 \$ 5,70 \$ 2,557 70 \$ 3,042 \$ 400 \$ 1,862 66 \$ 2,257 \$ 5,77 \$ 2,257 70 \$ 3,042 \$ 400 \$ 1,862 66 \$ 2,3042 \$ 400 \$ 1,962 70 \$ 3,042 \$ 4,00 \$ 1,962 70 \$ 3,042 \$ 4,00 \$ 1,962 70 \$ 3,042 \$ 4,00 \$ 1,962 70 \$ 1,051 \$ 1,051 \$ 1,962 70 \$ 1,051 \$ 1,051 \$ 1,962 70 \$ 1,051 \$ 1,33,060 \$ 1,966	Reference table: estimated	D MONTHLY BENEFITS					
Age BenefitMonthlyAge BenefitMonthlyAdjusted SpousalSurvivorBeginsBenefitBenefitBenefitBenefitBenefitBenefit62\$ 1,614\$ 406\$ 1,86266\$ 5,522\$ 400\$ 3,042\$ 2,257\$ 2,25770\$ 7,042\$ 400\$ 3,042\$ 5,042\$ 1,86266\$ 5,042\$ 400\$ 3,042\$ 5,042\$ 5,04270\$ 7,042\$ 400\$ 3,042\$ 5,042\$ 5,04270\$ 7,042\$ 400\$ 3,042\$ 400\$ 3,04270\$ 7,042\$ 400\$ 3,042\$ 400\$ 3,04270\$ 400\$ 3,042\$ 400\$ 3,042\$ 40070\$ 400\$ 3,042\$ 400\$ 3,042\$ 40070\$ 102\$ 100\$ 1,050\$ 1,050\$ 1,05070\$ 400\$ 1,050\$ 1,050\$ 1,050\$ 1,0506\$ 1,19,008\$ 113,060\$ 1,33,060\$ 1,19,00870Hubbond's Benefit\$ 116,920\$ 1,33,500\$ 1,33,50070Benefit\$ 116,920\$ 1,33,500\$ 70Hybrid 370Benefit\$ 116,920\$ 1,33,500\$ 70Hybrid 370Benefit\$ 168,580\$ 554,064\$ 1,33,50070Benefit\$ 156,410\$ 189,588\$ 255,528\$ 255,52870\$ 10,07,108\$ 1,002,108\$ 1,007,100\$ 1,007,760	Wife's Estimated Benefits		Husband's Estimo	ated Benefits			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	nefit		Age Benefit Begins		Adjusted Spousal Benefit ¹	Survivor Benefit	
66 $\$ 577$ $\$ 577$ $\$ 2,257$ $\$ 577$ $\$ 2,257$ 70 $\$ 729$ 70 $\$ 3,042$ $\$ 400$ $\$ 3,042$ ESTIMATED LIFETIME BENETTISESTIMATED LIFETIME BENETTISThe table below uses estimated monthly benefits to illustration uses the higher benefit. By looking at 2–3 different illustrations, using differthe table below uses estimated monthly benefits to illustration uses the higher benefit. By looking at 2–3 different illustrations, using differtie. between your own and a spousal benefit, the illustration uses the higher totals.ESTIMATED LIFETIME BENETITSThe table below uses estimated monthly benefits to illustration uses the higher benefit. By looking at 2–3 different illustrations, using differtie. between your own and a spousal benefit, the illustration uses the higher totals.ESTIMATED LIFETIME BENETITS ASSUMPTION ONE: AGES OF DEATH: HUSBAND 85, WIFE 92Age Benefit Begins Both Age 62 ² Both Begin at FRA Both Age 70Hybrid 3Wife's BenefitSpousal BenefitSpousal BenefitSpousal BenefitSpousal BenefitSpousal BenefitMite's BenefitSpousal BenefitSpousal BenefitSpousal BenefitSpousal BenefitSpousal BenefitSpousal BenefitSpousal BenefitSbots 556,558 <td></td> <td></td> <td></td> <td>\$ 1,614</td> <td>\$ 406</td> <td>\$ 1,862</td> <td></td>				\$ 1,614	\$ 406	\$ 1,862	
70 \$729 70 \$3,042 \$400 \$3,042 ESTIMATED LIFETIME BENEFITS ESTIMATED LIFETIME BENEFITS The table below uses estimated monthly benefits to illustrate lifetime benefit totals under four different scenarios. Where you have a choix i.e. between your own and a spousal benefit, the illustration uses the higher benefit. By looking at 2–3 different illustrations, using differ death assumptions, you'll get a feel for the scenario that most often yields the higher totals. ESTIMATED LIFETIME BENEFITS ASSUMPTION ONE: AGES OF DEATH: HUSBAND 85, WIFE 92 Age Benefit Begins Both Age 70 Hybrid ³ Age Benefit Begins Both Age 62 ² Both Begin at FRA Both Age 70 Hybrid ³ Mife's Benefit \$119,808 \$133,360 \$76,704 \$138,360 Spousal Benefit \$119,808 \$133,360 \$76,704 \$138,360 Storvior Benefit \$119,808 \$138,360 \$76,704 \$138,360 Alde Benefit \$119,808 \$138,360 \$76,704 \$138,360 Kife's Benefit \$119,508 \$138,360 \$76,704 \$138,360 Kife's Benefit \$166,00 \$139,568 \$255,528 \$255,528 Survivor Benefit \$156,			66	\$ 2,257	\$ 577	\$ 2,257	
ESTIMATED LIFETIME BENEFITSThe table below uses estimated monthly benefits to illustration uses the higher benefit. By looking at 2–3 different illustrations, using differter table below uses estimated monthly benefits to illustration uses the higher benefit. By looking at 2–3 different illustrations, using differter table below uses estimated monthly benefits to illustration uses the higher benefit. By looking at 2–3 different illustrations, using differdeath assumptions, you'll get a feel for the scenario that most often yields the higher totals.ESTIMATED LIFETIME BENEFITS ASSUMPTION ONE: AGES OF DEATH: HUSBAND 85, WIFE 92Age Benefit BeginsBoth Age 62 ² Both Begin at FRABoth Age 70Hybrid 3Mife's Benefit\$ 119,808\$ 133,360\$ 76,704\$ 113,306Spousal Benefit\$ 116,920\$ 138,360\$ 76,704\$ 133,360Kife's Benefit\$ 156,410\$ 189,588\$ 255,528\$ 255,528Coursor Benefit\$ 156,410\$ 1,002,108\$ 1,002,108\$ 1,007,760CIOTAL BENEFIT RECEIVED\$ 857,970\$ 1,002,108\$ 1,002,108\$ 1,007,760	70 \$ 729		70	\$ 3,042	\$ 400	\$ 3,042	
The table below uses estimated monthly benefits to illustrate lifetime benefit totals under four different scenarios. Where you have a choii.e. between your own and a spousal benefit, the illustration uses the higher benefit. By looking at 2–3 different illustrations, using differdeath assumptions, you'll get a feel for the scenario that most often yields the higher totals.ESTIMATED LIFETIME BENEFITS ASSUMPTION ONE: AGES OF DEATH: HUSBAND 85, WIFE 92Age Benefit BeginsBoth Age 62 ² Both Age 62 ² Both Begin at FRABenefit\$119,808\$133,360\$70Husband's Benefit\$116,920\$136,480\$584,064Spousal Benefit\$156,410\$156,410\$189,588Survivor Benefit\$156,410\$107AL BENEFIT RECEIVED\$857,970\$107AL BENEFIT RECEIVED\$857,970\$1077,108\$1,056,264\$1077,108\$1,056,264\$1077,109\$1,007,760	Estimated lifetime benefits						
FIME BENEFITS ASSUMPTION ONE: AGES OF DEATH: HUSBAND 85, WIFE 92 Bigins Both Age 62 ² Both Begin at FRA Both Age 70 Hybrid ³ sins Both Age 62 ² Both Begin at FRA Both Age 70 Hybrid ³ t \$119,808 \$132,480 \$139,968 \$119,808 t \$116,920 \$138,360 \$76,704 \$138,360 t \$16it \$164,832 \$541,680 \$584,064 t \$156,410 \$189,588 \$255,528 \$255,528 RECEIVED \$857,970 \$1,002,108 \$1,056,264 \$1,097,760	The table below uses estima i.e. between your own and c death assumptions, you'll ge	ited monthly benefits to i a spousal benefit, the illu it a feel for the scenario	illustrate lifetime ben istration uses the hi that most often yie	lefit totals u gher benefit. elds the high	nder four different so By looking at 2–3 o ner totals.	cenarios. Where you different illustrations	have a choice of benefi , using different age of
ginsBoth Age 62Both Begin at FRABoth Age 70Hybrid 3\$\$\begin 119,808\$\$132,480\$\$139,968\$\$119,808\$	Estimated Lifetime Benefits	S ASSUMPTION ONE: AGES	OF DEATH: HUSBANI) 85, WFE (32		
(1) (Age Benefit Begins	Both Age 62 ²	Both Begin at FR	۲۵ ۲۵	Both Age 70	Hybrid	3
\$ 116,920 \$ 138,360 \$ 76,704 \$ 138,360 \$ 464,832 \$ 541,680 \$ 584,064 \$ 584,064 \$ 156,410 \$ 189,588 \$ 255,528 \$ 255,528 \$ 857,970 \$ 1,002,108 \$ 1,056,264 \$ 1,097,760	Wite's Benefit	\$ 119,808	\$ 132,48	NO N	\$ 139,968	\$ 119,80	8
\$ 464,832 \$ 541,680 \$ 584,064 \$ 156,410 \$ 189,588 \$ 255,528 \$ 255,528 \$ 857,970 \$ 1,002,108 \$ 1,056,264 \$ 1,097,760	Spousal Benefit	\$ 116,920	\$ 138,36	0	\$ 76,704	\$ 138,36	0
\$ 156,410 \$ 189,588 \$ 255,528 \$ 255,528 \$ 255,528 \$ 255,528 \$ \$ 255,528 \$ \$ 255,528 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Husband's Benefit	\$ 464,832	\$541,68	80 //////	\$ 584,064	\$ 584,06)
\$1,056,264 \$1,002,108 \$1,056,264 \$1,097,760	Survivor Benefit	\$ 156,410	\$ 189,58	88	\$ 255,528	\$ 255,52	
	TOTAL BENEFIT RECEIVED	\$857,970	\$ 1,002,10	8	\$1,056,264	\$1,097,76	EIG.8

U.S. Patent

SOCIAL SECURITY BENEFITS ESTIMATOR FOR MARRIED COUPLES

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BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention is directed to systems and methods for calculating estimated Social Security benefits. More specifically, the present invention is directed to systems and methods for determining the optimal approach a married 20 couple should take to maximize Social Security benefits, including spousal and survivor benefits.

2. Background of the Related Art

In the United States, individuals who work and pay Social Security taxes for a prescribed number of years are entitled 25 to receive their full Social Security retirement benefits when they reach full retirement age. Workers earn a credit for each quarter that they work and pay Social Security taxes, and retirement benefits are available to individuals who have earned at least 40 credits, meaning that they have worked 30 and paid taxes for at least 10 years. Full retirement age ranges from 65 to 67 depending on the recipient's year of birth. For example, full retirement age for an individual born in 1954 is 66 years old, while full retirement age for an individual born in 1960 or later is 67 years old. When 35 individuals reach their full retirement age, they are entitled to their primary insurance amount. An individual's primary insurance amount is based on the 35 years of employment during which he or she earned the highest salary.

Social Security retirement benefits can be claimed as early 40 as age 62, although the benefit will be reduced by 20 to 30 percent depending on the individuals full retirement age. The Social Security Administration also offers deferred retirement credits to those who postpone collecting their benefits beyond their full retirement age. For every year 45 beyond full retirement age that payments are put off, the Social Security Administration provides a guaranteed annual increase of 7 to 8 percent, depending on year of birth, to the individual's primary insurance amount. This is in addition to the annual cost of living adjustment to benefits. 50

In addition to their own benefits, individuals may also be eligible for spousal and survivor benefits. For a married couple, the Social Security Administration designates a primary earner and a secondary earner. The primary earner is defined as the spouse in the married couple having the 55 higher primary insurance amount, or in other words, the higher monthly benefit. The secondary earner is defined as the spouse in the married couple having the lower primary insurance amount, or in other words, the lower monthly benefit. 60

While both spouses are living, the secondary earner is entitled to spousal benefits equal to 50 percent of the primary earner's primary insurance amount provided the primary earner has filed for benefits. If the secondary earner is also entitled to his or her own benefit, the individual benefit will 65 pay first and the spousal benefit will make up the difference between that and 50% of the spouse's primary insurance

amount. For example, if the primary earner had a primary insurance amount of \$2,000, the secondary earner would be entitled to a spousal benefit of \$1,000 at full retirement age. Assuming a primary insurance amount of \$750 for the secondary earner, he or she would receive both the primary insurance amount payment of \$750 and a spousal benefit payment of \$250 to bring the total combined benefit to \$1,000. If spousal benefits are collected prior to a spouse's full retirement age, the spousal benefit may be permanently reduced.

In the event that the primary earner dies first, the secondary earner may be entitled to survivor benefits. Survivor benefits will be at least equal to the primary earner's actual benefit at the time of death. If the primary earner dies before ¹⁵ filing for benefits, the Social Security Administration will calculate the primary insurance amount for the decedent using the best 35 years of earnings as of the year of death. A surviving spouse can collect a survivor benefit as young as age 60, subject to a reduction. The decision by the primary ²⁰ earner concerning when to collect his or her individual Social Security benefits, whether it be at age 62, at full retirement age, at age 70, or somewhere in between these ages, has a direct impact on any survivor benefit that may be paid to the surviving spouse.

Given the many factors that must be taken into account, determining when and how to collect Social Security retirement benefits so as to optimize the benefits received as a married couple can be a difficult task. Accordingly, there is a need for systems and methods for determining the optimal approach for receiving Social Security benefits for married couples.

SUMMARY OF THE INVENTION

Advantages of the present invention will be set forth in and become apparent from the description that follows. Additional advantages of the invention will be realized and attained by the methods and systems particularly pointed out in the written description and claims, as well as from the appended drawings.

To achieve these and other advantages and in accordance with the purpose of the invention, as embodied herein, the invention includes a system for calculating estimated Social Security benefits for married couples. The system includes: a server; a display device connected to the server; a user interface module running on the server, the user interface module being configured to receive input from a user and to display content on the display device; and a benefits calculator module running on the server and being configured to receive input data from the user interface module and to output data to the display device. The input data includes data regarding a married couple, including the assumed age of death for both the primary earner and the secondary earner. The system may output an estimated lifetime benefit using a hybrid approach wherein the secondary earner collects a reduced benefit at age 62 and a spousal benefit at full retirement age, and wherein the primary earner collects benefits at age 70.

A method for calculating estimated lifetime Social Security benefits for a married couple is also disclosed. The method includes the steps of receiving data from a user at a benefits estimator server, the data including data regarding both a primary earner and a secondary earner in a married couple, including the assumed age of death for both the primary earner and the secondary earner; outputting data from the benefits estimator server to a display device; and displaying the output data in the form of a table, with rows

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of data corresponding to the plurality of Social Security benefits and columns corresponding to a plurality of options the married couple has for receiving the Social Security benefits. The output data includes estimated lifetime benefits for a plurality of Social Security benefits categories for the married couple. The plurality of options includes a hybrid option with the secondary earner collecting a reduced benefit at age 62 and a spousal benefit at full retirement age, and the primary earner deferring the collection of benefits until age

BRIEF DESCRIPTION OF THE DRAWINGS

So that those skilled in the art to which the subject invention pertains will readily understand how to implement 15 the systems and methods for calculating estimated Social Security benefits for married couples, without undue experimentation, preferred embodiments of the system and methods will be described in detail below with reference to the following figures:

FIG. 1 is a schematic illustration of the system for calculating estimated Social Security benefits for married couples:

FIG. 2 is an exemplary embodiment of a portion of the user interface for the system of FIG. 1, showing an initial 25 data entry page:

FIG. 3 is an exemplary embodiment of a portion of the user interface for the system of FIG. 1, showing an initial data entry page with data entered into various data fields;

FIG. 4 is an exemplary embodiment of a portion of the 30 user interface for the system of FIG. 1, showing the earnings history section of an estimated lifetime benefits page;

FIG. 5 is an exemplary embodiment of a portion of the user interface for the system of FIG. 1, showing a blank estimated lifetime benefits table;

FIG. 6 is an exemplary embodiment of a portion of the user interface for the system of FIG. 1, showing a populated estimated lifetime benefits table;

FIG. 7 is an exemplary embodiment of a portion of the user interface for the system of FIG. 1, showing an addi- 40 tional populated estimated lifetime benefits table using different assumed ages of death for each spouse; and

FIG. 8 is an exemplary embodiment of a estimated lifetime benefits report generated by the system of FIG. 1.

DETAILED DESCRIPTION OF PREFERRED **EMBODIMENTS**

Reference will now be made in detail to the present preferred embodiments of the systems and methods for 50 calculating estimated Social Security benefits for married couples. The systems and methods described in this disclosure are particularly well-suited for financial advisors counseling their clients as to the optimal timing for receiving Social Security benefits. For unmarried individuals, the 55 determination as to when to take Social Security is relatively straight forward. However, for married couples, there are additional factors that must be considered, including when each spouse should begin receiving benefits, longevity assumptions for each spouse, and whose benefit each spouse 60 will collect. In one exemplary embodiment, the system includes functionality for calculating various benefits scenarios and displaying a report showing the results of each scenario, which can then be used when counseling clients concerning strategies for maximizing Social Security ben- 65 efits. The report may include the results of a hybrid approach to collecting Social Security benefits, which may help a

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married couple maximize the payment of both individual benefits as well as spousal and survivor benefits.

In one exemplary embodiment, the hybrid approach includes the secondary earner claiming his or her benefits at age 62, his or her spousal benefit at full retirement age, and the primary earner deferring his or her receipt of benefits until age 70. This approach is particularly advantageous if the primary earner is older. If the primary earner is within five years of the secondary earner, the secondary earner would file at 62 and collect his or her individual benefit. When the secondary earner reaches full retirement age, the primary earner would file for benefits to allow spousal benefits to be paid, but suspend collecting until he or she reaches age 70. By filing for benefits when the secondary earner reaches full retirement age, the primary earner enables the spouse to collect an unreduced spousal benefit in addition to his or her reduced individual benefit. Deferring collection to age 70 allows for the highest possible benefit to be paid not only during the primary earner's lifetime, but also as a survivor benefit when the primary earner dies.

For purposes of explanation and illustration, and not limitation, an exemplary embodiment of a system in accordance with the present invention is shown in FIG. 1 and designated generally by the reference numeral 100. System 100 includes a benefits estimator server computer 102, a database 104, and a plurality of client devices 106. Database 104, benefits estimator server 102, and client devices 106 may interface with one another via a network 108. Network 108 may be any suitable network, including a company intranet or other local area network, a wide area network, and the Internet. Server 102 may include a plurality of servers, and database 104 may include a plurality of databases. Client devices may include a computer, a mobile phone, or any other network-enabled device.

System 100 may comprise software components running on either benefits estimator server 102 or clients 106. Server 102 and clients 106 may run any suitable operating system and may include a variety of hardware configurations. Both benefits estimator server 102 and clients 106 may include a processor coupled to a memory module and to a mass storage device via a bus or other communication medium; a display or other output device interfacing with the processor; and a keyboard, mouse, touchpad, or other input device that receives input from a user and interfaces with the processor. In one exemplary embodiment, clients 106 each include an input device for receiving user input and a display device for displaying content. The software implementing system 100 may include instructions written in a high level computer language and stored in a mass storage device. In one exemplary embodiment, a plurality of modules having distinct functions run on benefits estimator server 102. For example, benefits estimator server 102 may include a user interface module 103 and a benefits calculator module 105.

In one exemplary embodiment, server 102 is a secure server requiring authentication from a user prior to allowing access to system 100. For example, upon receiving a request from a web browser running on client 106, server 102 may require the user to login by entering a user name and password. Once server 102 has determined that the user is an authorized user, the user will be granted access to system 100. In one exemplary embodiment, the user is a financial advisor or planner. Authentication data may be stored in database 104.

FIG. 2 illustrates an exemplary portion of a graphical user interface 110 that provides access to system 100 once a user has been properly authenticated. In the exemplary embodiment shown, graphical user interface 110 is presented by

benefits estimator server 102 through a web browser or other suitable software application running on client 106. Once benefits estimator server 102 has authenticated the user, the user will have access to an initial data entry page 112. The system described in this disclosure is particularly useful for 5 financial planners, allowing the financial planner to provide a married couple with sound advice regarding the best approach to receiving Social Security benefits.

As shown in FIG. 2, initial data entry page 112 includes a plurality of fields allowing a user to enter data regarding 10 a married couple. In the exemplary embodiment shown, initial data page 112 includes a year of birth field 114, a full retirement age field 116, a monthly benefit at age 62 field 118, a monthly benefit at full retirement age (FRA) field 120, and a monthly benefit at age 70 field 122 for each spouse, 15 arranged in a husband column 124 and a wife column 126. The information needed to populate the data fields can be found in the Social Security statement that each individual paying Social Security taxes receives each year from the Social Security Administration. As shown in FIG. 2, initial 20 data entry page 112 may include a link 128 that takes a user to a page hosted by the Social Security Administration explaining the what the Social Security statement is as well as a link 130 to a web page that includes information on ordering duplicate copies of the statement.

FIG. 3 is an additional illustration of initial data entry page 112 with each of the data fields populated with client data. In the example shown in FIG. 3, the user has entered the birth year for both the husband and wife as 1947, and the full retirement age as 66 for both spouses as well. In the 30 exemplary embodiment shown, full retirement age field 116 is a pull-down menu with a predetermined number of selections that include all possible retirement ages, as determined by the Social Security Administration. In another exemplary embodiment, full retirement age field 116 is 35 automatically populated based on the data entered in year of birth field 114. In the example shown in FIG. 3, the husband would be designated as the primary earner because his estimated monthly benefit at full retirement age (\$2,257) is higher than the estimated monthly benefit at full retirement 40 age for the wife (\$552). In one exemplary embodiment, data regarding the retirement ages based on date of birth is stored in database 104 and accessed by benefits estimator server 102 to determine the appropriate full retirement age to be used for both the primary earner and the secondary earner. 45

Once the estimated benefits from the Social Security statement have been entered into initial data entry page 112. the user will click on or otherwise select a Continue button 132 to access an estimated lifetime benefits page 134, as shown in FIG. 4. This page allows the user to enter a number 50 of assumed age of death estimates for each spouse and learn how the benefits received by each spouse would be affected by the age at which each spouse begins taking benefits.

Estimated lifetime benefits page 134 includes two sections: an earnings history section 136 and an assumption 55 section 138. Earning history section 136 may include a table summarizing the earning history for both the primary earner and the secondary earner. For the secondary earner, the table may include an age column 140 and a monthly benefit column 142, showing the monthly benefit if the secondary 60 earner were to retire at age 62, at full retirement age (age 66 in the example shown in FIG. 4), and at age 70, as entered by the user in initial data entry page 112. For the primary earner, the table will also include an age column 144, and a monthly benefit column 146, as well as a spousal benefit 65 column 148 and a survivor benefit column 150. Data shown in monthly benefit column 146 for the primary earner is

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taken directly from the data entered into initial data entry page 112. Data shown in spousal benefit column 148 and survivor benefit column 150 is calculated based on the rules set forth by the Social Security Administration. In one exemplary embodiment, these rules may be stored in database 104 and accessed by benefits estimator server 102 to calculate the data shown in spousal benefit column 148 and survivor benefit column 150. In one exemplary embodiment, the amounts shown in spousal benefit column 148 are rounded to the nearest whole number for display in the table of the earning history section 136, however further calculations may use the actual benefit amount rather than the rounded amount. The data stored in database 104 may be automatically updated to reflect any change in the rules set forth by the Social Security Administration or by law.

Additional views of assumption section 138 of estimated lifetime benefits page 134 are shown in FIGS. 5 through 7. As shown in FIG. 5, assumption section 138 includes an assumed age of death data entry field 152 for the primary earner as well as an assumed age of death data entry field 154 for the secondary earner. Once the user has entered an assumed age of death in both field 152 and field 154, an estimated lifetime benefits table 156 is automatically populated, as shown in FIG. 6.

In the exemplary embodiment shown in FIG. 6, estimated lifetime benefits table 156 may include a secondary earner benefits row 158 (Wife Benefits in the example shown in FIGS. 5 through 7), a Spousal Benefits row 160, a primary earner benefits row 162 (Husband Benefits in the example shown in FIGS. 5 through 7), a Survivor Benefits row 164, and a Total row 166. Table 156 may also include columns listing various retirement benefit scenarios for a married couple. In the example shown in FIG. 6, table 156 includes a Both at 62 column 168, a Both at FRA column 170, a Both at 70 column 172, and a Hybrid column 174. In each of the columns, an estimated lifetime amount is shown for the corresponding benefits row.

Once the user has entered an assumed age of death in both field 152 and 154, the data shown in table 156 is calculated by benefits estimator server 102 and automatically displayed within the table. Both at 62 column 168 displays the calculated estimated lifetime benefits for each of the benefits rows if both spouses were to begin receiving Social Security Benefits at age 62, the earliest age at which the Social Security Administration allows an individual to begin receiving benefits. If the primary earner is younger, but reaches 62 before the secondary earner has reached full retirement age, spousal benefits estimates shown in table 156 may be calculated using the fully reduced (age 62) adjusted spousal benefit. The actual spousal benefit received from the Social Security Administration may be higher.

The Both at FRA column displays the calculated estimated lifetime benefits for each of the benefit rows if both spouses were to begin receiving benefits at each spouse's respective full retirement age. The full retirement age may be different for each spouse, depending on their ages.

The Both at 70 column displays the calculated estimated lifetime benefits for each of the benefits rows if each spouse were to delay receiving Social Security benefits until age 70, after which there is no advantage to further delaying benefits because the Social Security Administration no longer awards deferred retirement credits after the age of 70. For each of the columns in table 156, the calculated value for each of the benefits rows is summed by server 102 and displayed in the Total row 166 for each column. The Total row 166 allows the user to quickly see which of all the scenarios will provide the

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clients with the highest benefit amount based on the assumed age of death for each spouse.

Hybrid column 174 displays the calculated estimated lifetime benefits for each of the benefits row using a hybrid approach. Under this hybrid approach, the secondary earner 5 collects her own reduced benefit at age 62, and an unreduced spousal benefit at full retirement age while the primary earner defers collection of benefits until age 70. This hybrid strategy may not be illustrated if the spouses are more than 10 five years apart in age, since such a scenario may require the primary earner to file for benefits prior to the secondary earner reaching full-retirement age. Estimated lifetime benefits table 156 allows the user to quickly analyze various strategies and provide clients with sound advice regarding 15 the optimal time to start receiving benefits. As shown in FIG. 6, the hybrid approach often results in the maximum benefit amount when compared with other approaches.

As shown in FIGS. 5 and 6, assumption section 138 of estimated lifetime benefits page 134 may include an Add 20 Assumption button 176, a Start Over button 178, and a Print Report button 180. By selecting Add Assumption button 176, the user can dynamically add an additional estimated lifetime earnings table 182, as shown in FIG. 7. This allows the user to enter new assumed ages for the death of each 25 spouse, which in turn causes server 102 to calculate new data and populate the additional table 182. This functionality allows the user to try out a number of assumed age of death estimates for each spouse and learn how the clients' benefits will be affected by viewing the data for the different estimates together on a single page. The tables shown in FIG. 7 use the monthly benefits entered by the user to illustrate the lifetime benefit totals under four different scenarios. When one of the spouses has a choice of benefit, for 35 example, between an individual benefit and a spousal benefit, the higher of the two benefits is shown. The Add Assumption button 176 allows the user to add a plurality of additional tables. By looking at several tables, each based on different assumptions for the age of death, a user will 40 quickly get a feel for the scenario that most often yields the highest total benefit to the married couple.

Selecting Start Over button **178** will take the user back to initial data entry page **112**, allowing the user to edit the previously entered data or enter new data and perform a new calculation. Selecting Print Report button **180** generates a printable report that summarizes all of the data entered into initial data entry page **112** as well as the data calculated on estimated lifetime benefits page **134**. An example of such a report in shown in FIG. **8**. Although the example report shown in FIG. **8** illustrates only a single scenario, the report may show all of the scenarios that a user has produced using system **100**.

The present invention, as described above and shown in the drawings, provides for systems and methods for calculating estimated Social Security benefits for married couples and determining the scenario that will yield the maximum total benefit for the couple. It will be apparent to those skilled in the art that various modifications and variations can be made to the systems and methods of the present invention without departing from the scope of the invention as outlined in the appended claims and their equivalents. The invention claimed is:

1. A system for calculating estimated Social Security benefits for a married couple, the system comprising:

- a benefits estimator server;
- a rules database networked coupled to and separate from the benefits estimator server configured to automatically update to reflect change in rules regarding calculation of social security benefits wherein the rules database is coupled to the benefits estimator server via a network;
- a user device coupled, via a network, to the benefits estimator server via the Internet;
- a user interface provided by the benefits estimator server, the user interface being configured to receive input from the user device and to display content on the a display provided on a display provided on the user device;
- a calculator provided by the benefits estimator server configured to receive input data from the user interface and to receive social security calculation rules from the rules database and is further configured to output data to the user display based on the received input data and social security calculation rules, wherein the input data includes data regarding both a primary earner and a secondary earner in a married couple, including an estimated age of death for both the primary earner and the secondary earner, and wherein the output data includes benefits for a plurality of Social Security benefits categories for the married couple including:
- a value when both the primary and the secondary earner take benefits at age 62;
- a value when both the primary and the secondary earner take benefits at full retirement age;
- a value when both the primary and the secondary earner take benefits at age 70; and
- a value when the married couple employs a hybrid approach wherein the secondary earner collects a reduced benefit at age 62 and a spousal benefit at full retirement age, and wherein the primary earner collects benefits at age 70.

2. The system of claim 1, wherein the input data further includes the year of birth and full retirement age for both the primary earner and the secondary earner in the married couple.

3. The system of claim **1**, wherein the input data further includes a value for the monthly benefit at age 62, monthly benefit at full retirement age, and monthly benefit at age 70 for both the primary earner and the secondary earner in the married couple.

4. The system of claim 1, wherein the plurality of Social Security benefits categories includes primary earner benefits, secondary earner benefits, survivor benefits, and spousal benefits.

5. The system of claim **1**, wherein the output data is presented in the form of a table, with rows of data corresponding to the plurality of Social Security benefits and columns corresponding to a plurality of options the married couple has for receiving the Social Security benefits.

6. The system of claim 5, wherein the plurality of Social Security benefits categories includes primary earner benefits, secondary earner benefits, survivor benefits, and spousal benefits.

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