

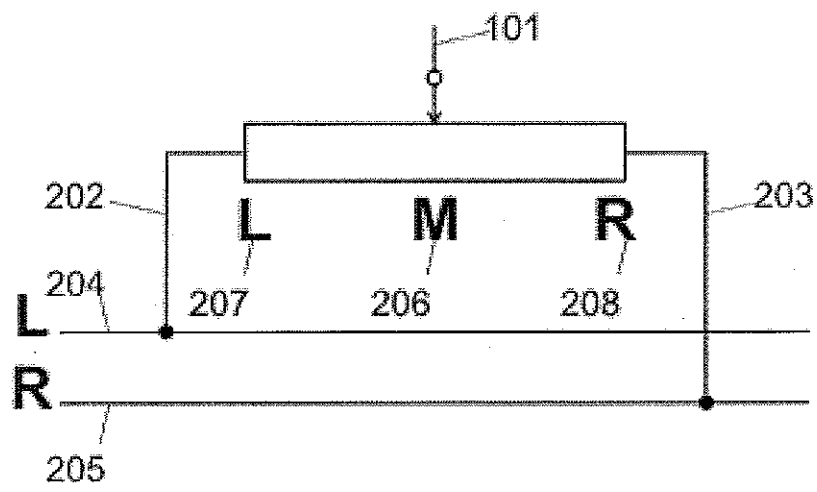
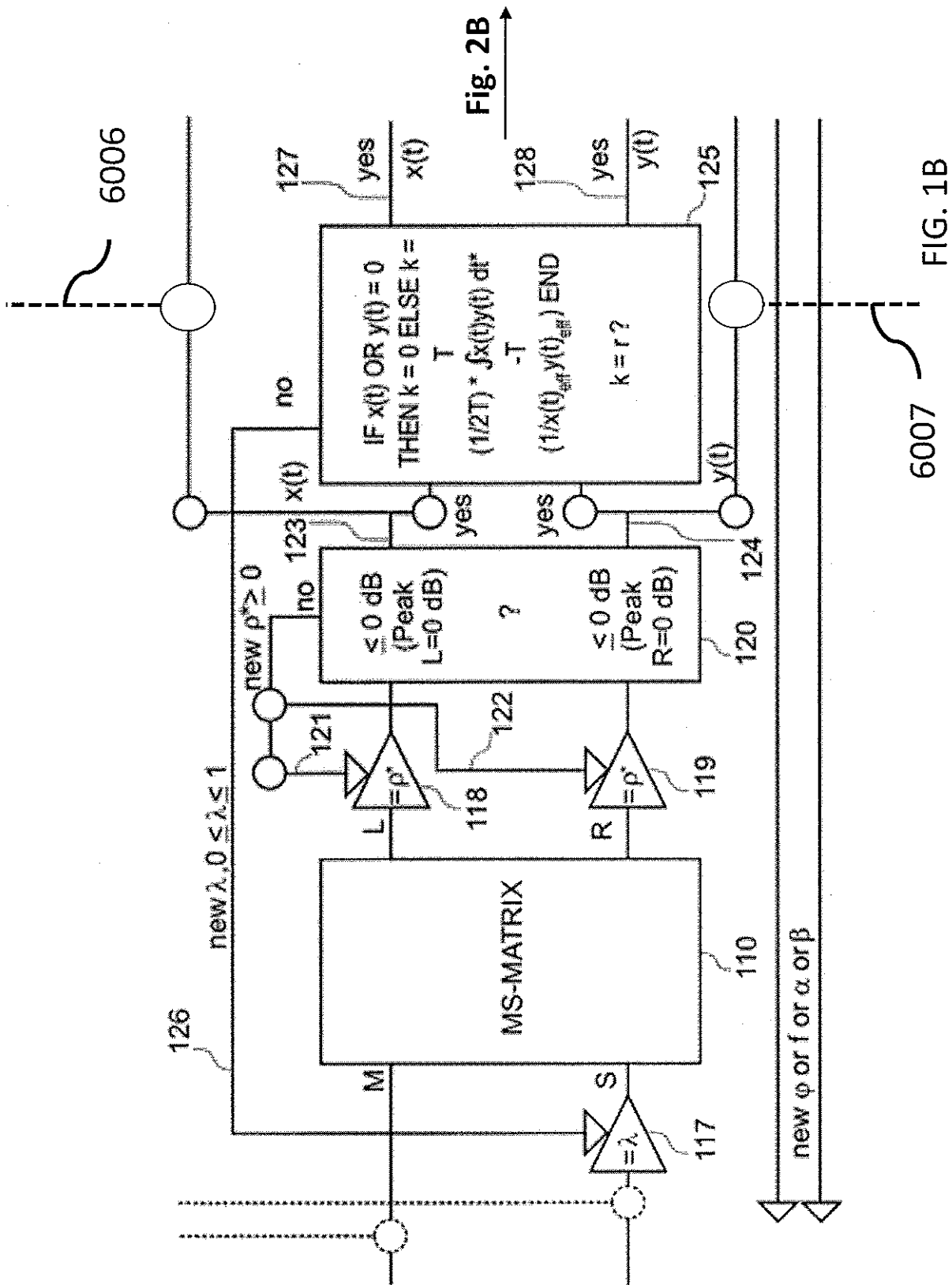


FIG. 1A



$$\tilde{f}(g') = \sqrt{1/(2 * g'^4)}$$

$$\tilde{f}(g'') = \sqrt{1/(2 * g''^2)}$$

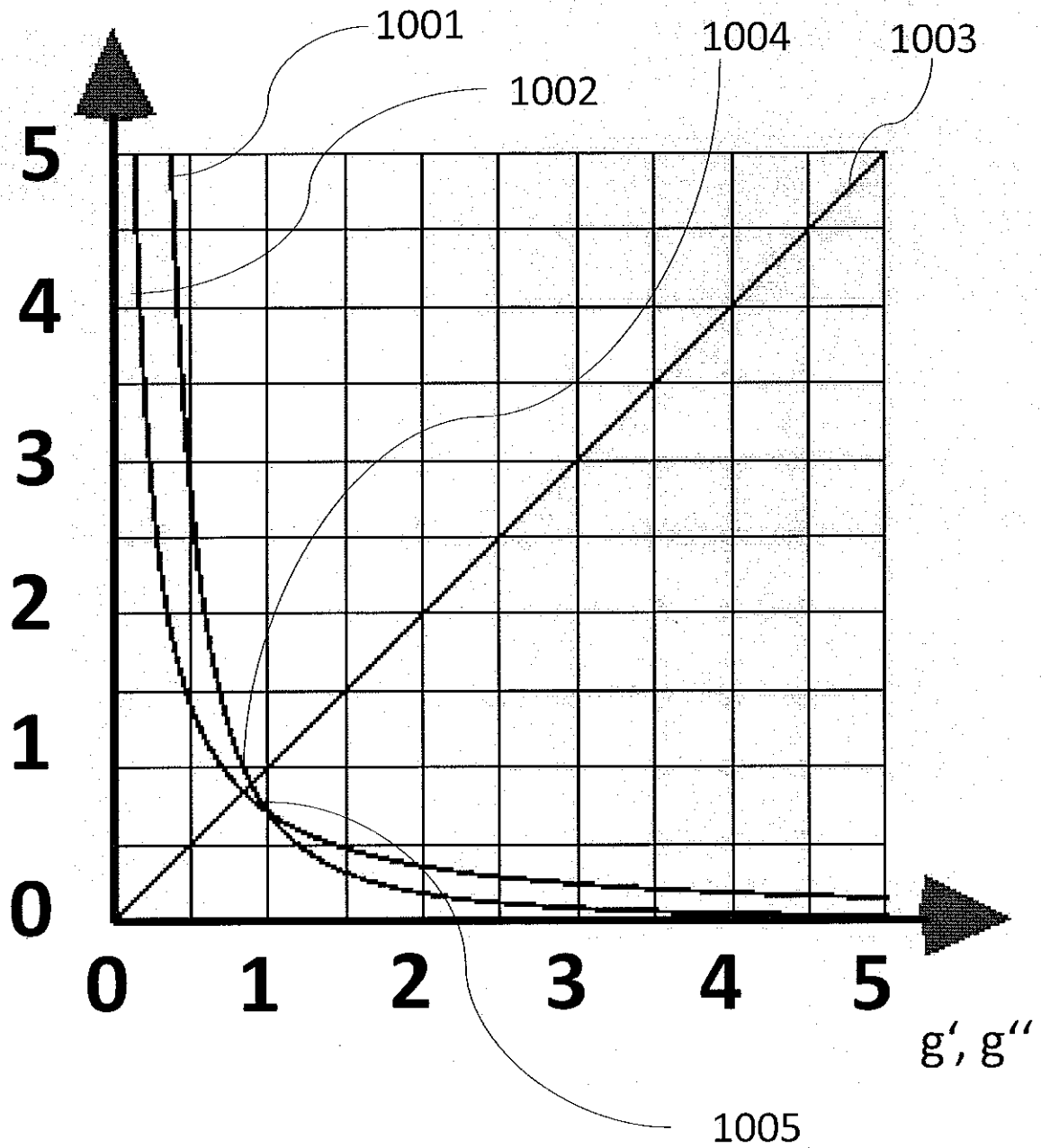


FIG. 1C

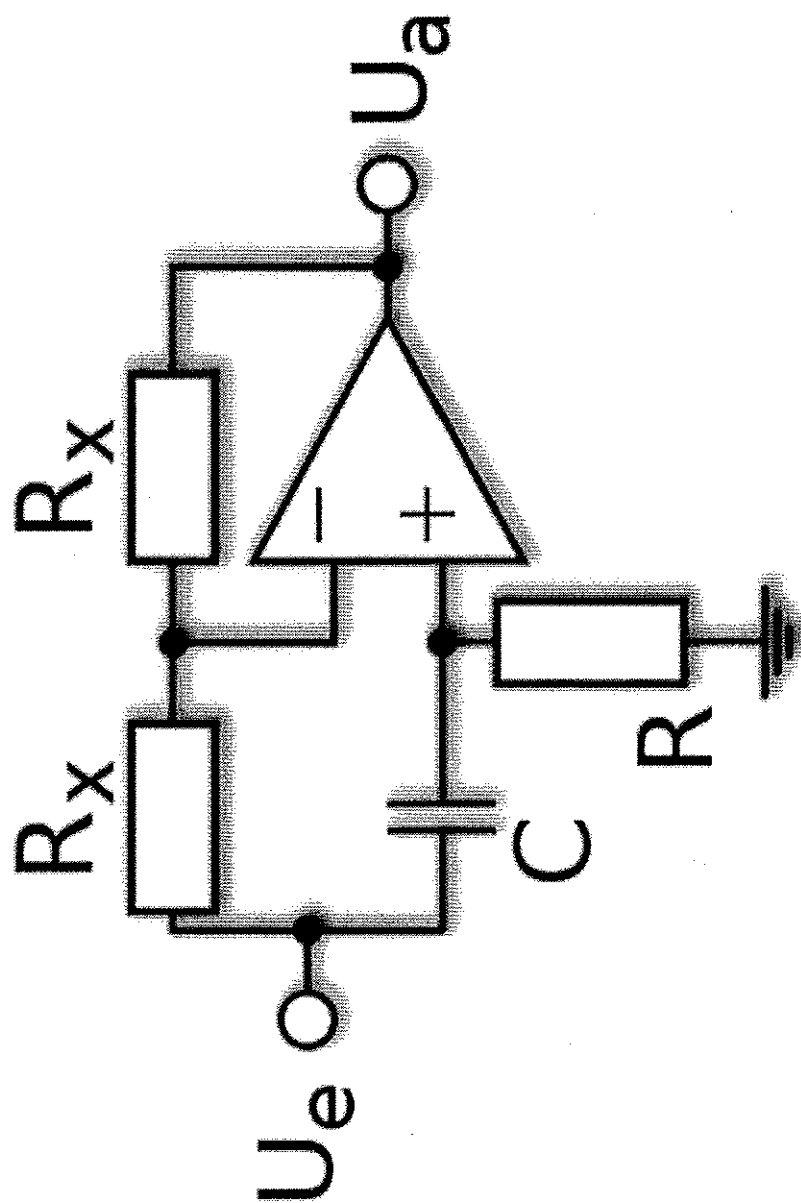


FIG. 1F

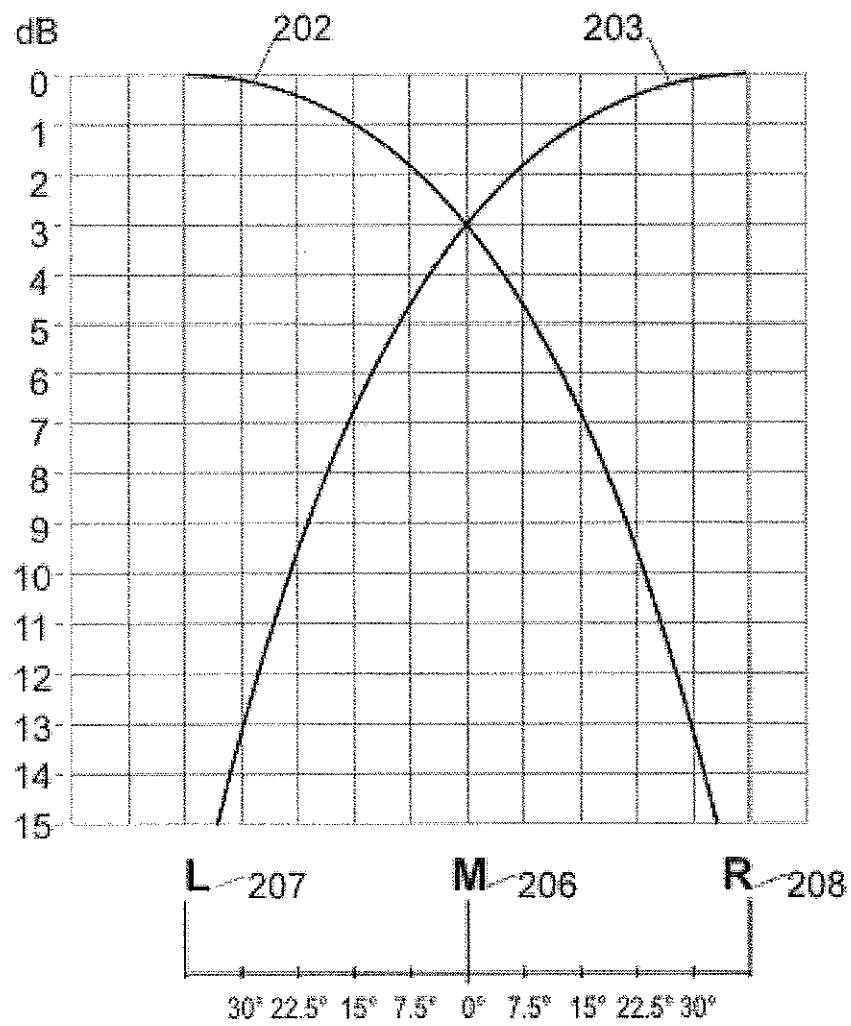
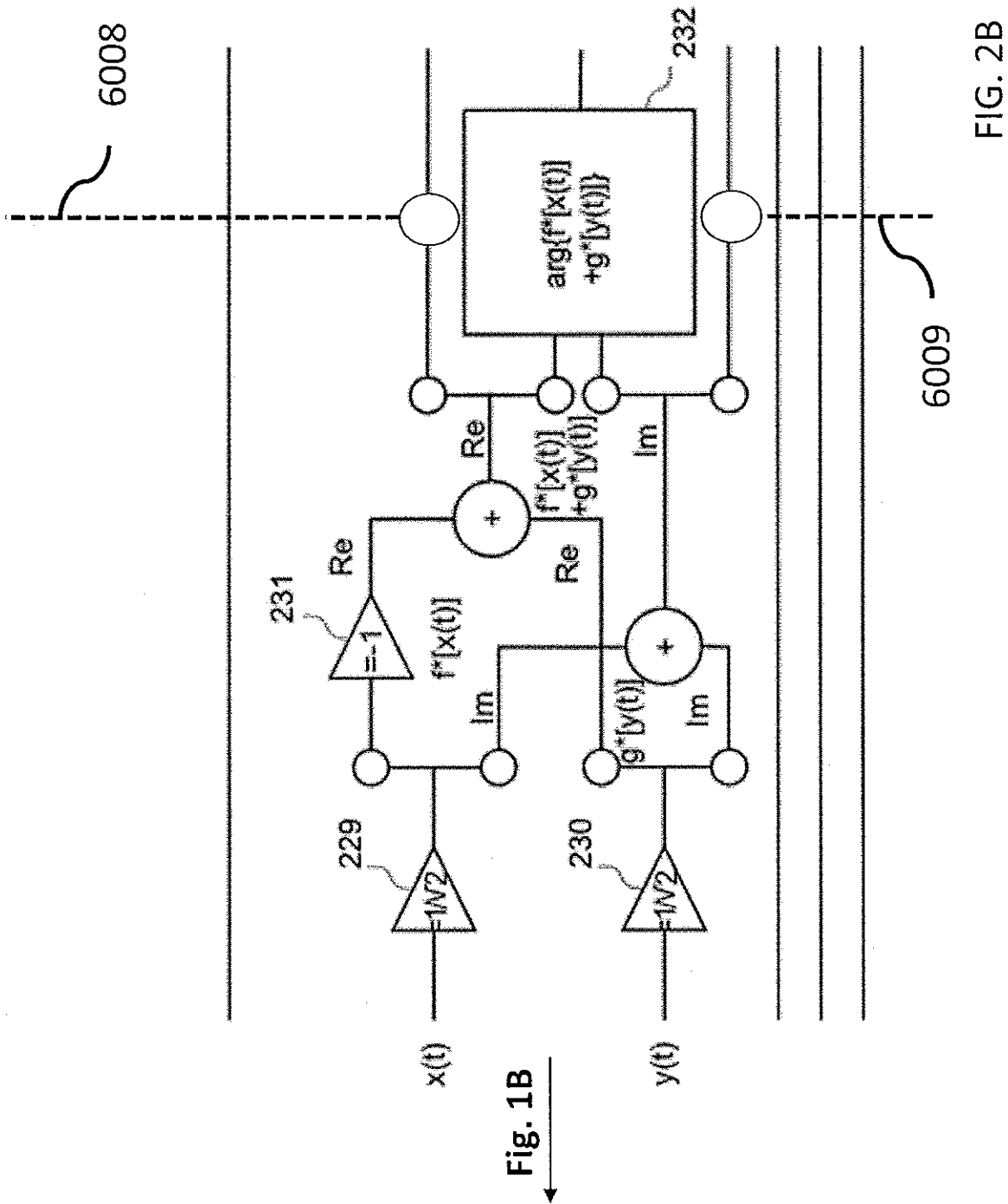


FIG. 2A

Fig. 3B



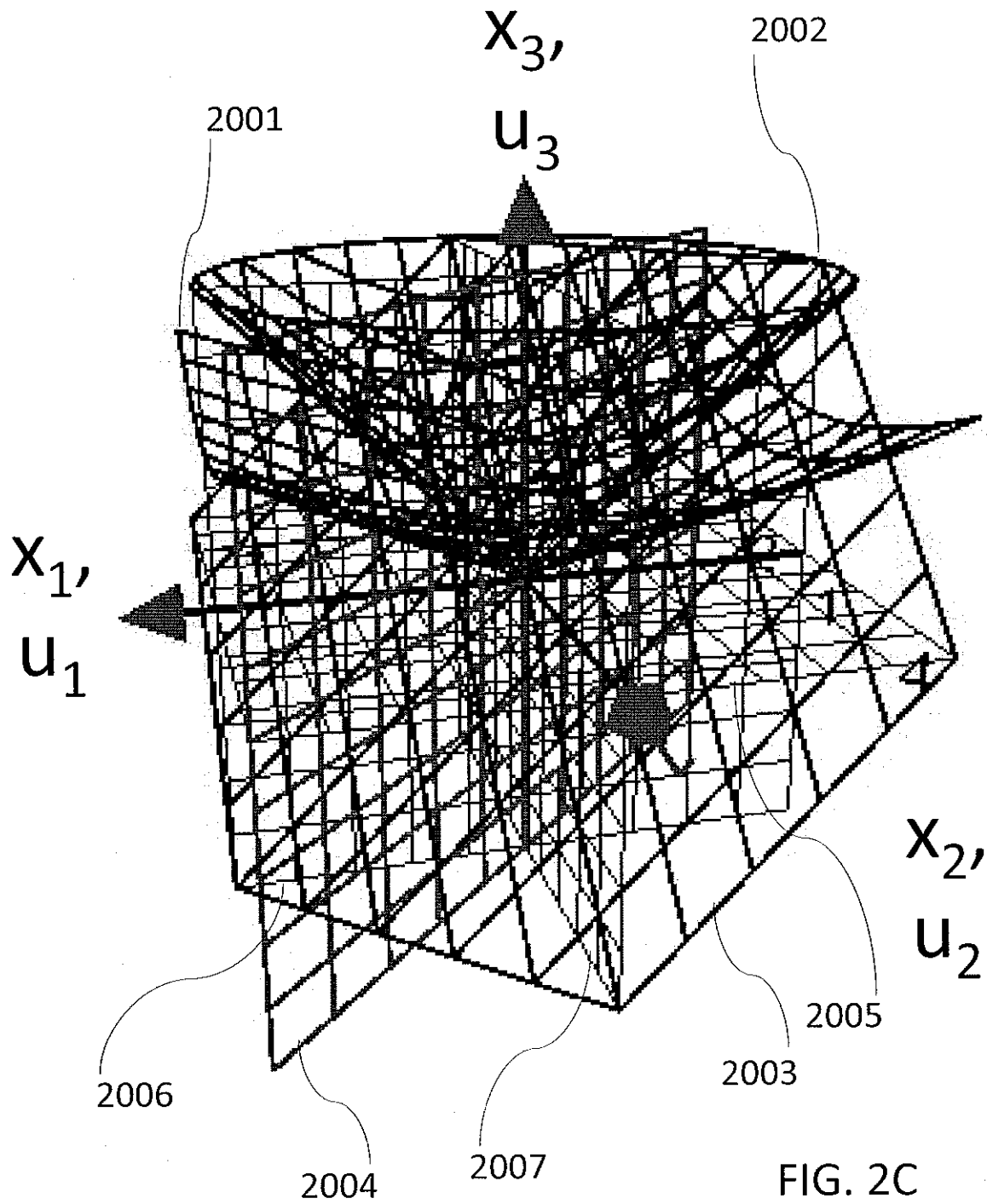


FIG. 2C

PCEM-6-PCT

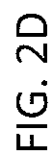


FIG. 2D

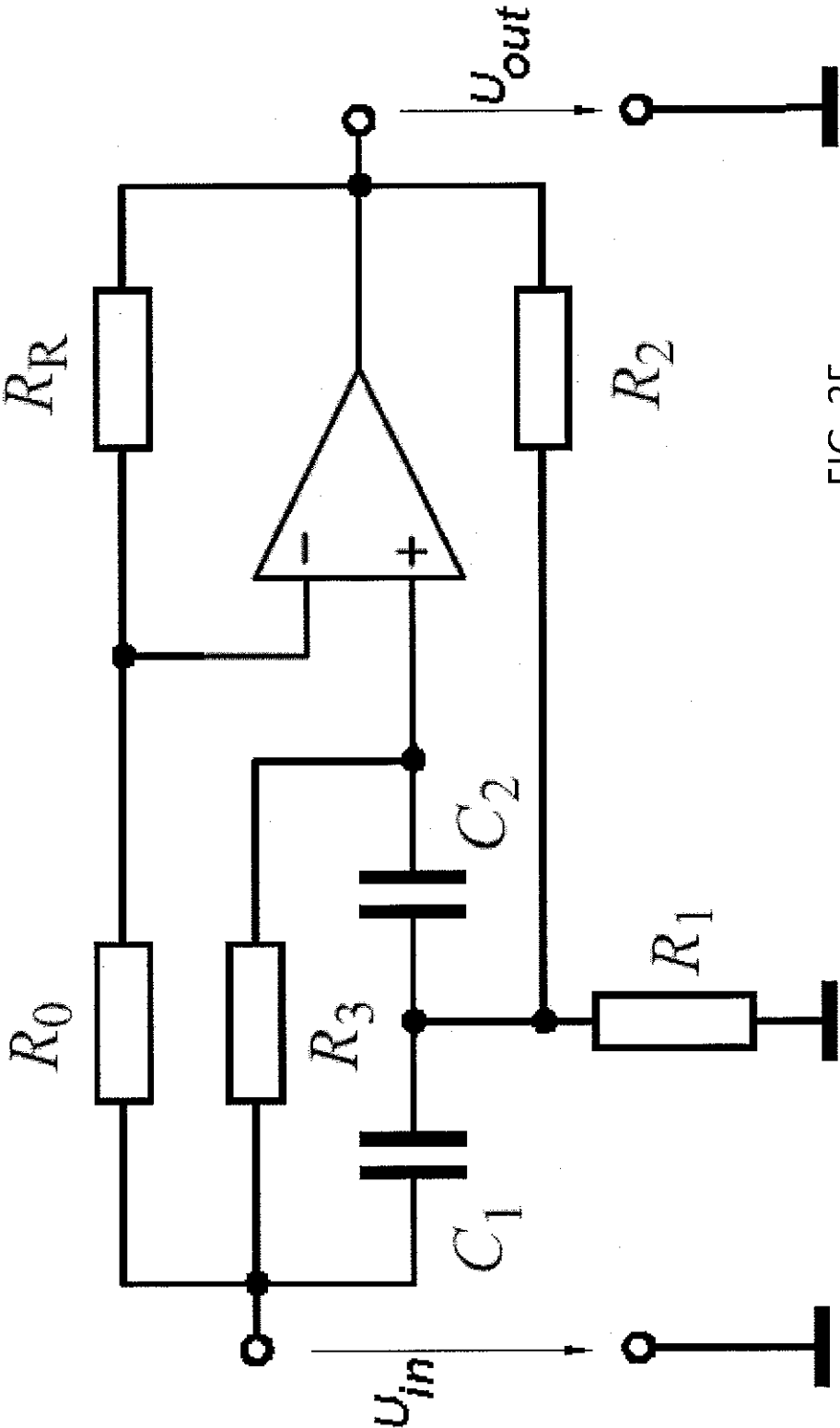


FIG. 2F

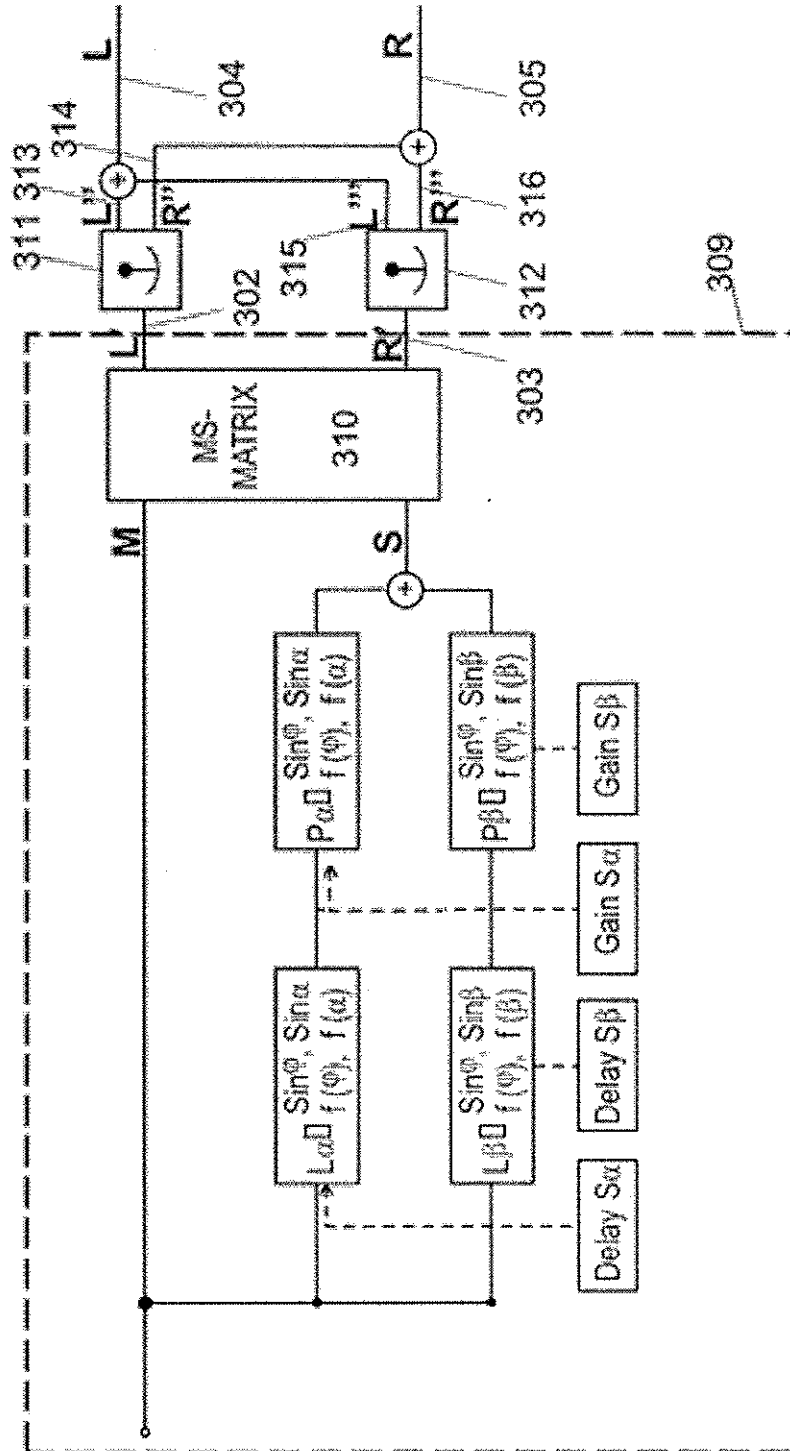


FIG. 3A

Fig. 4B

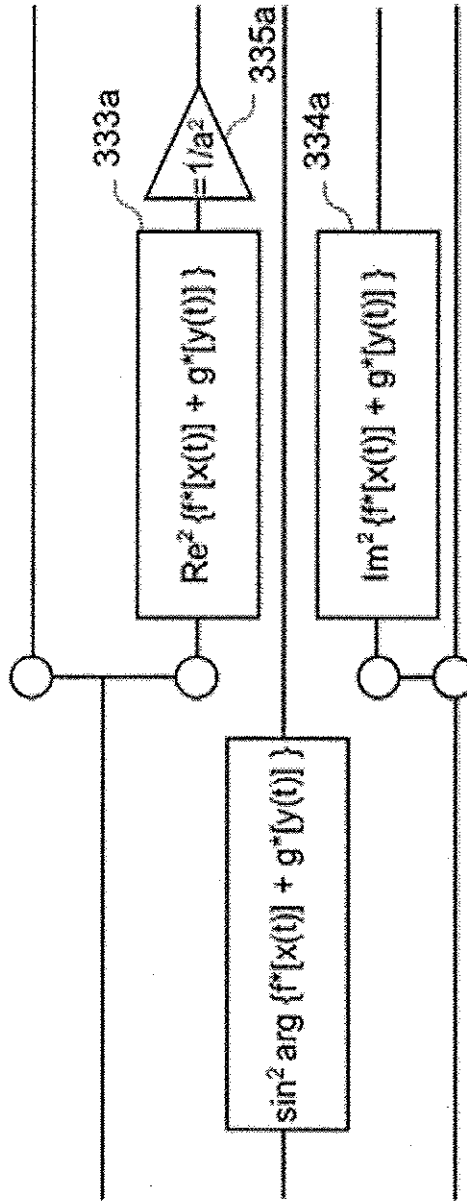


Fig. 2B

FIG. 3B

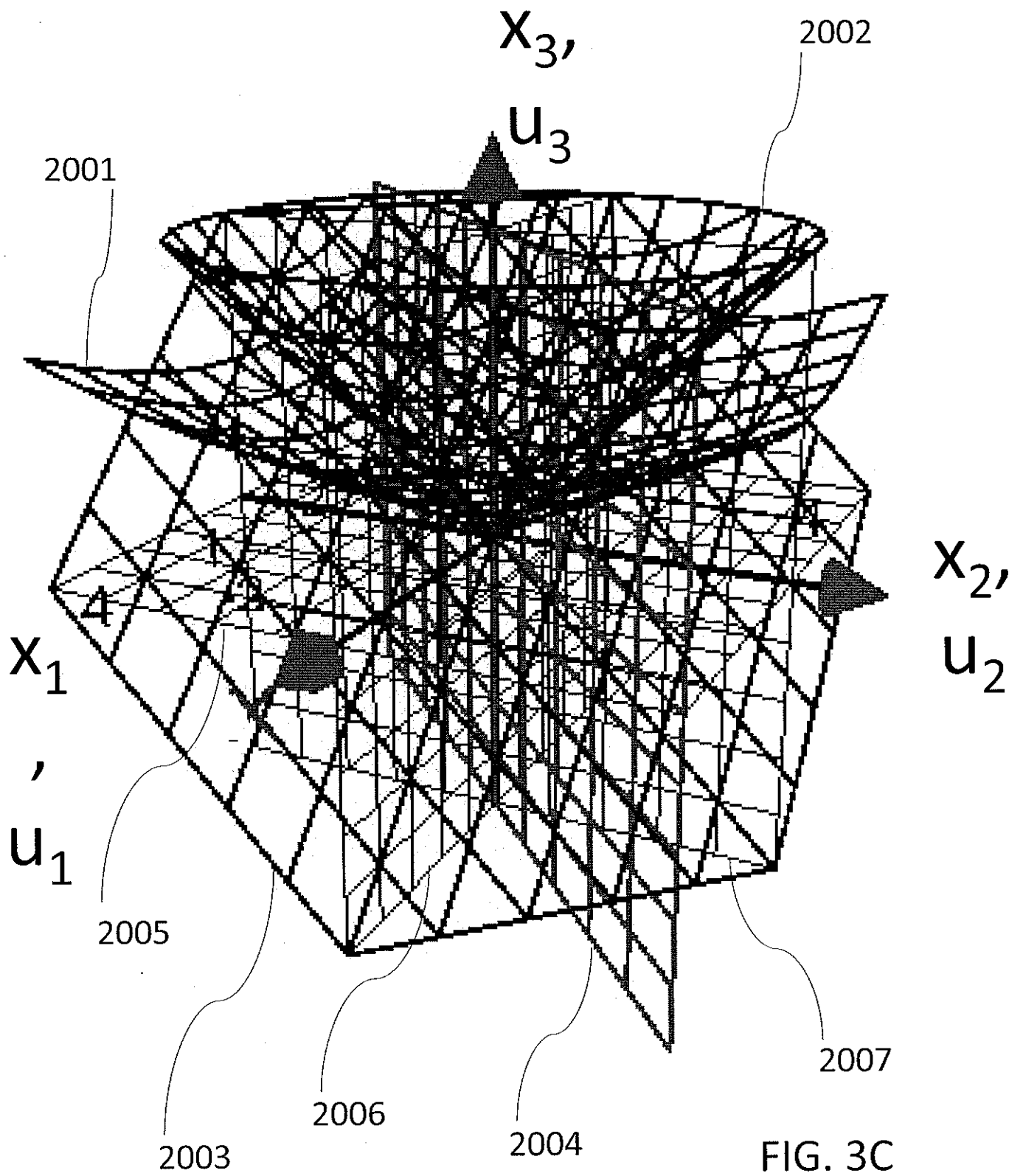


FIG. 3C

PCLEM-6-PCT

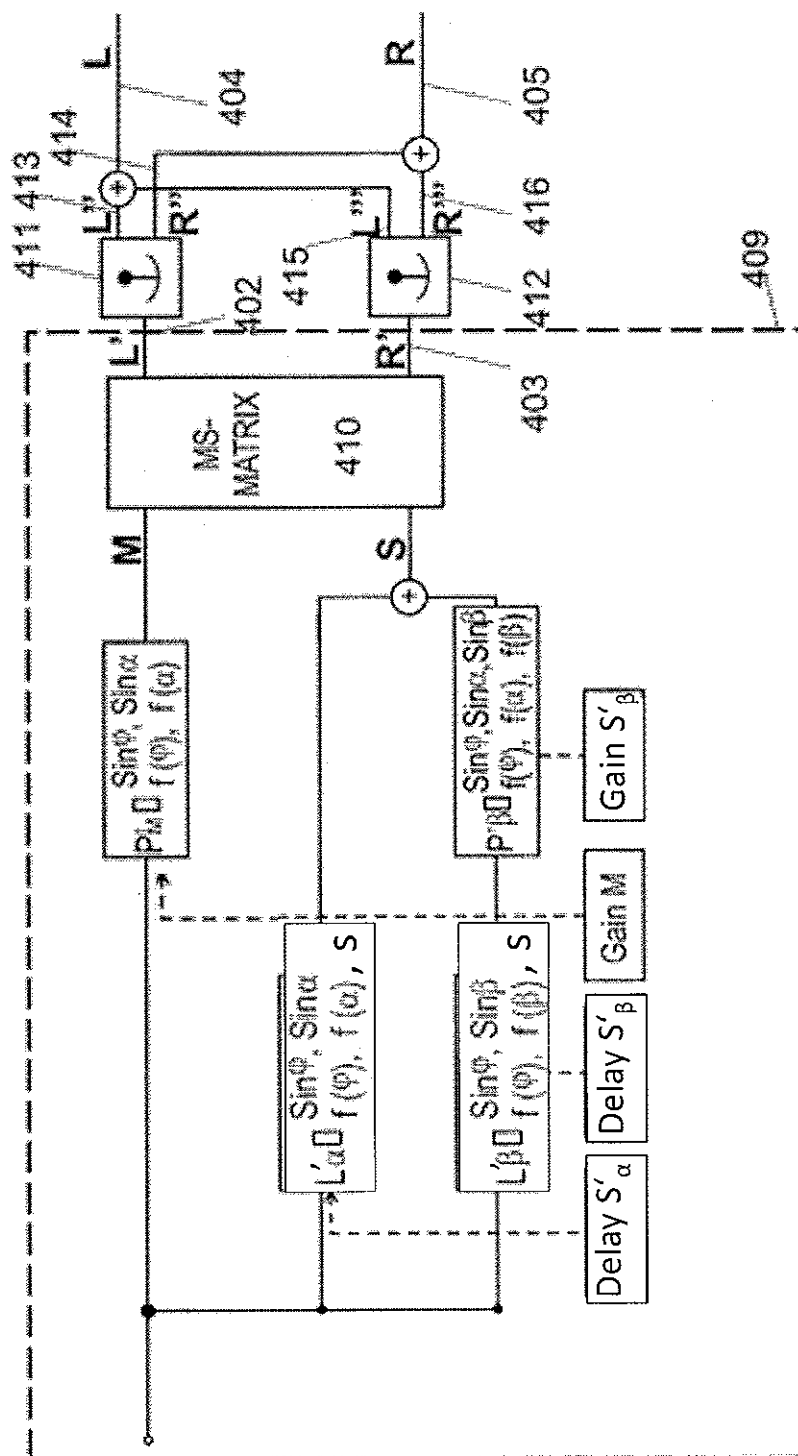


FIG. 3D

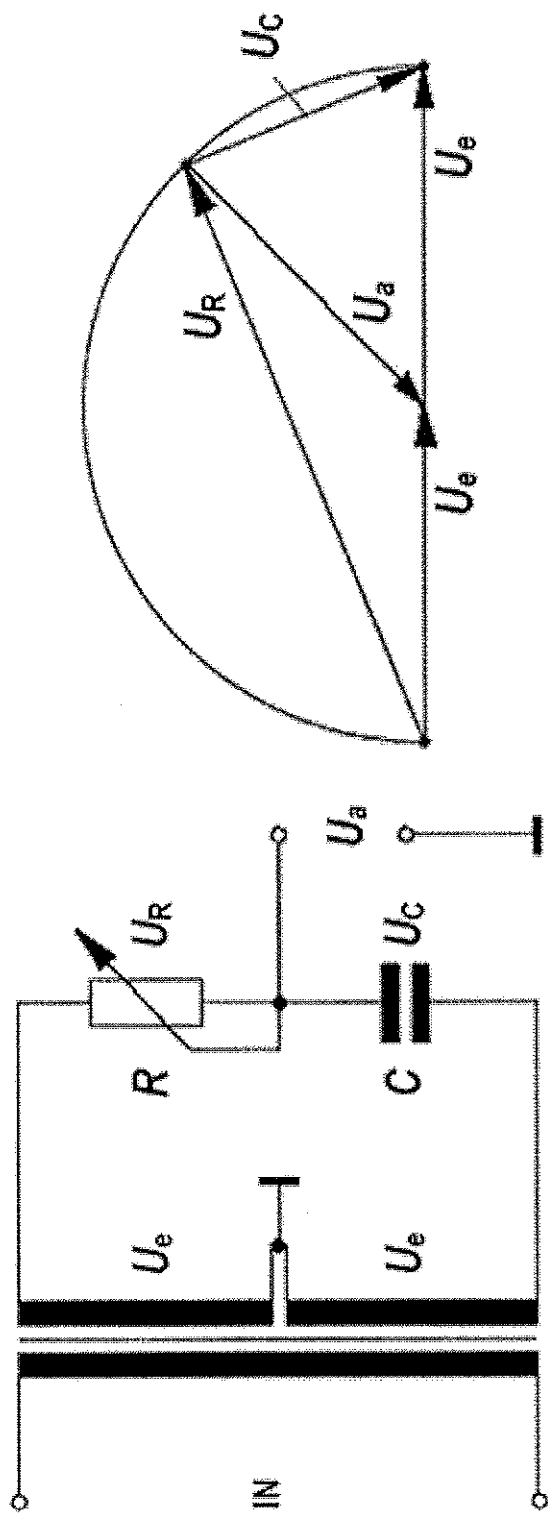


FIG. 3F

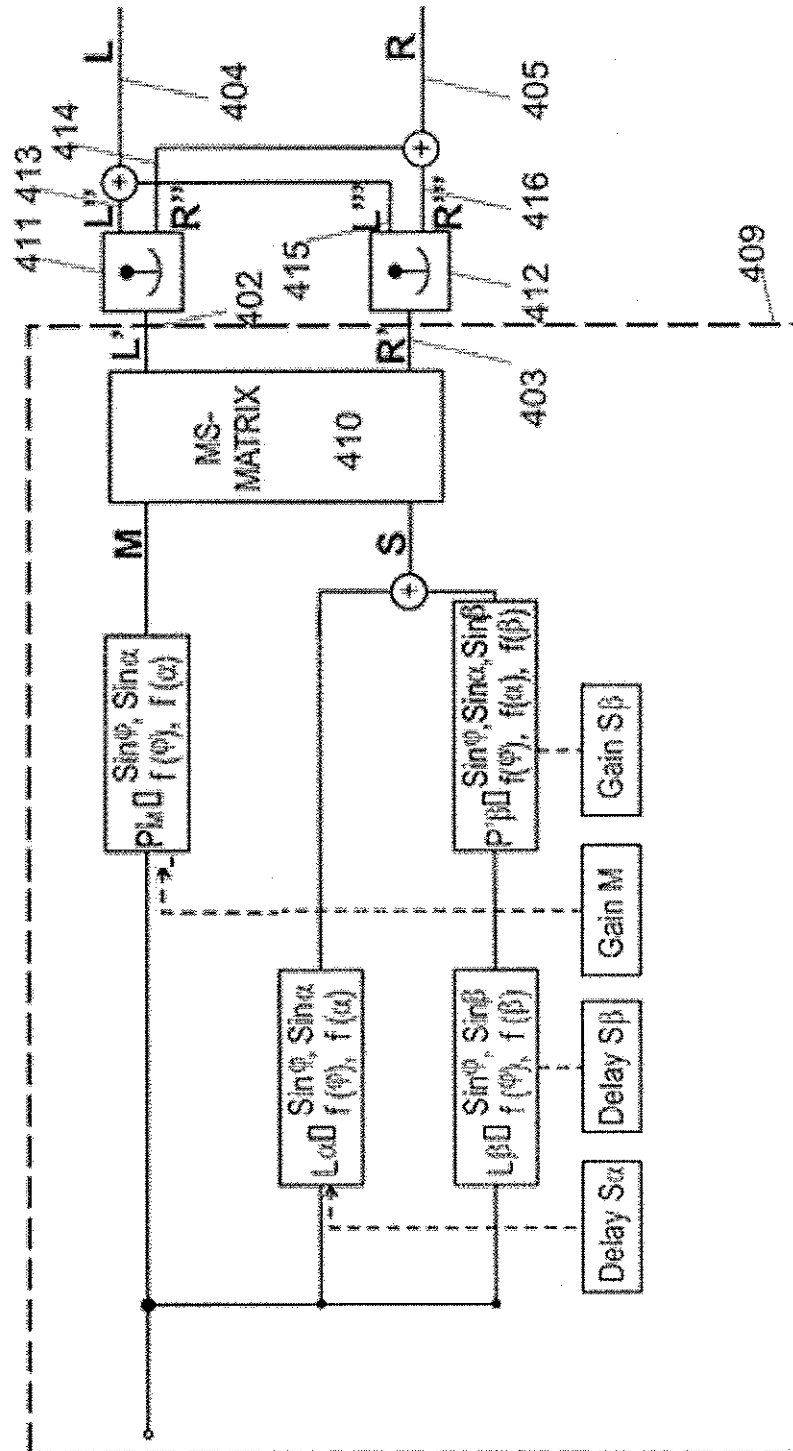


FIG. 4A

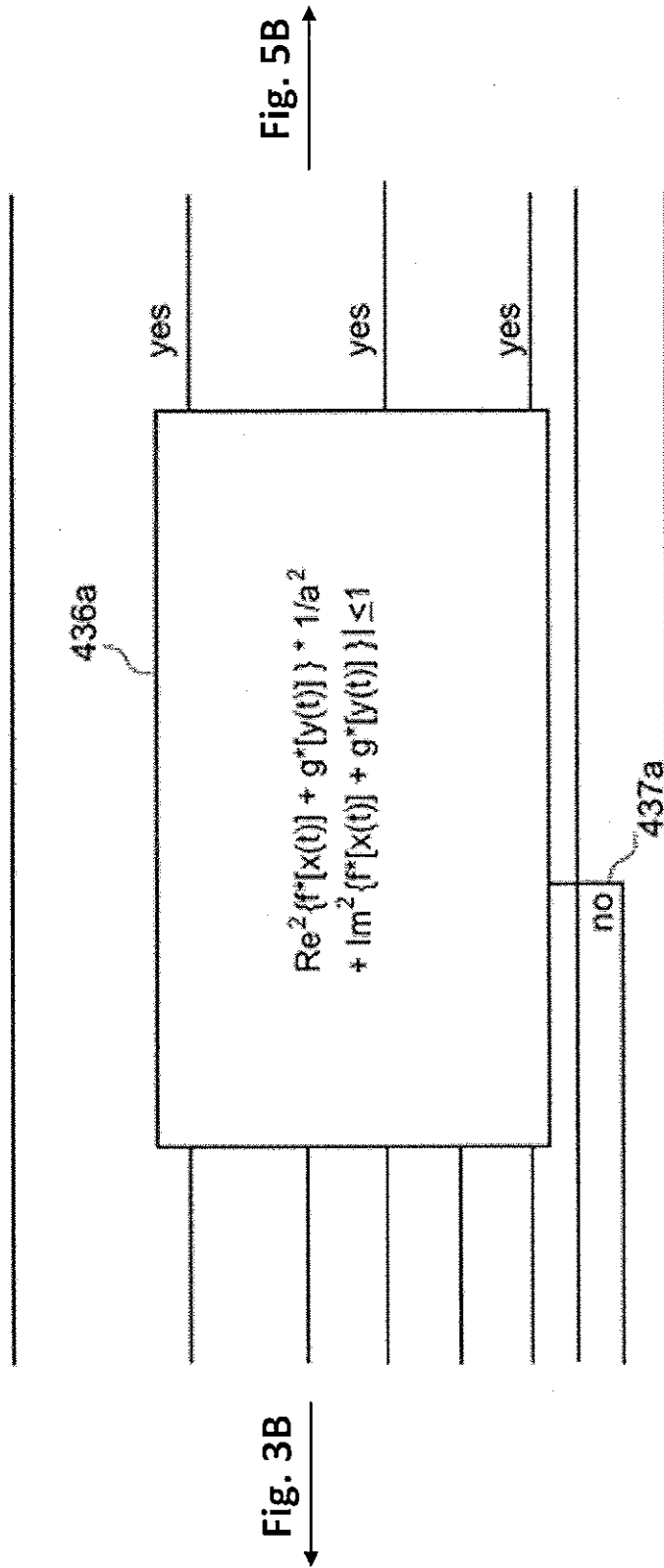
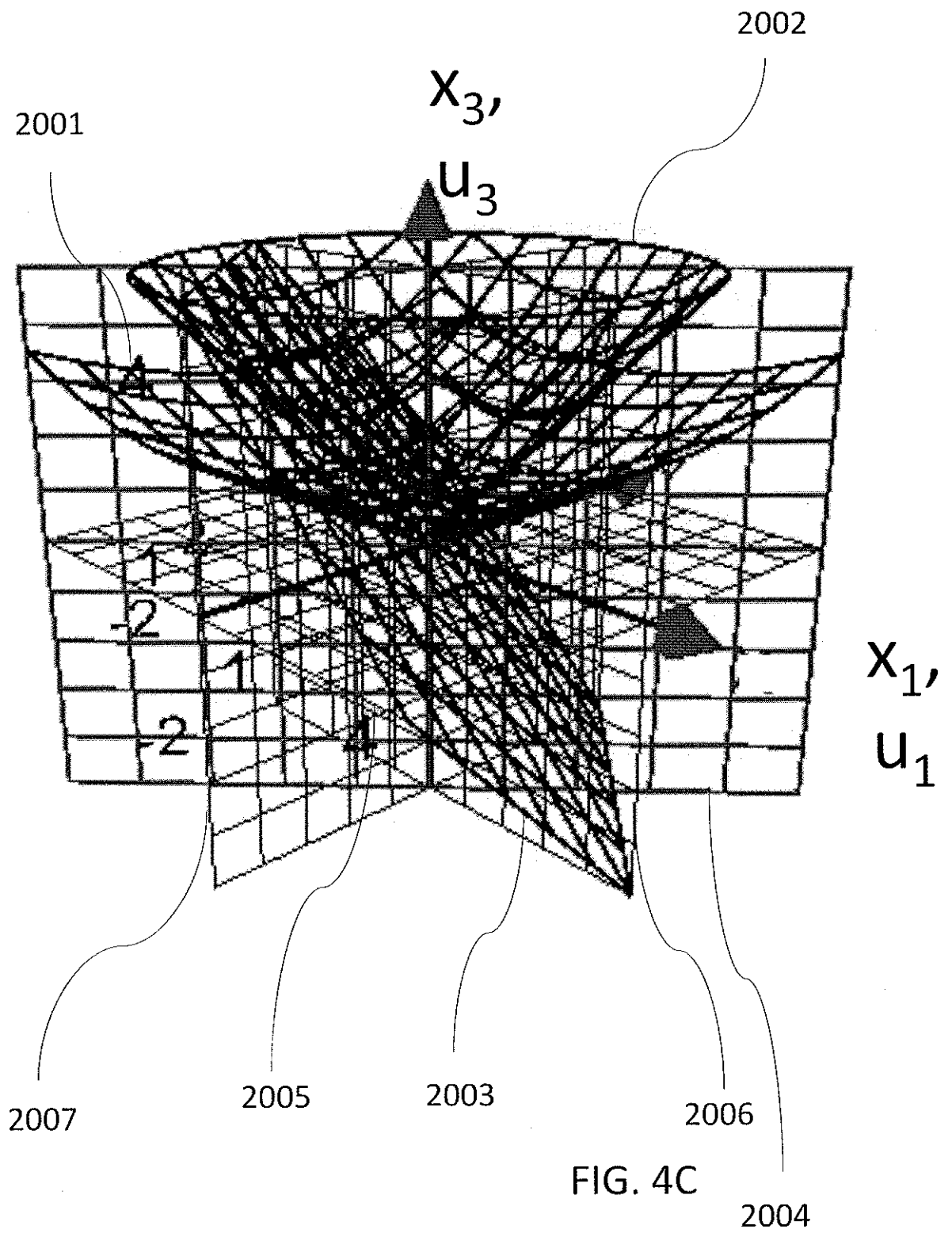
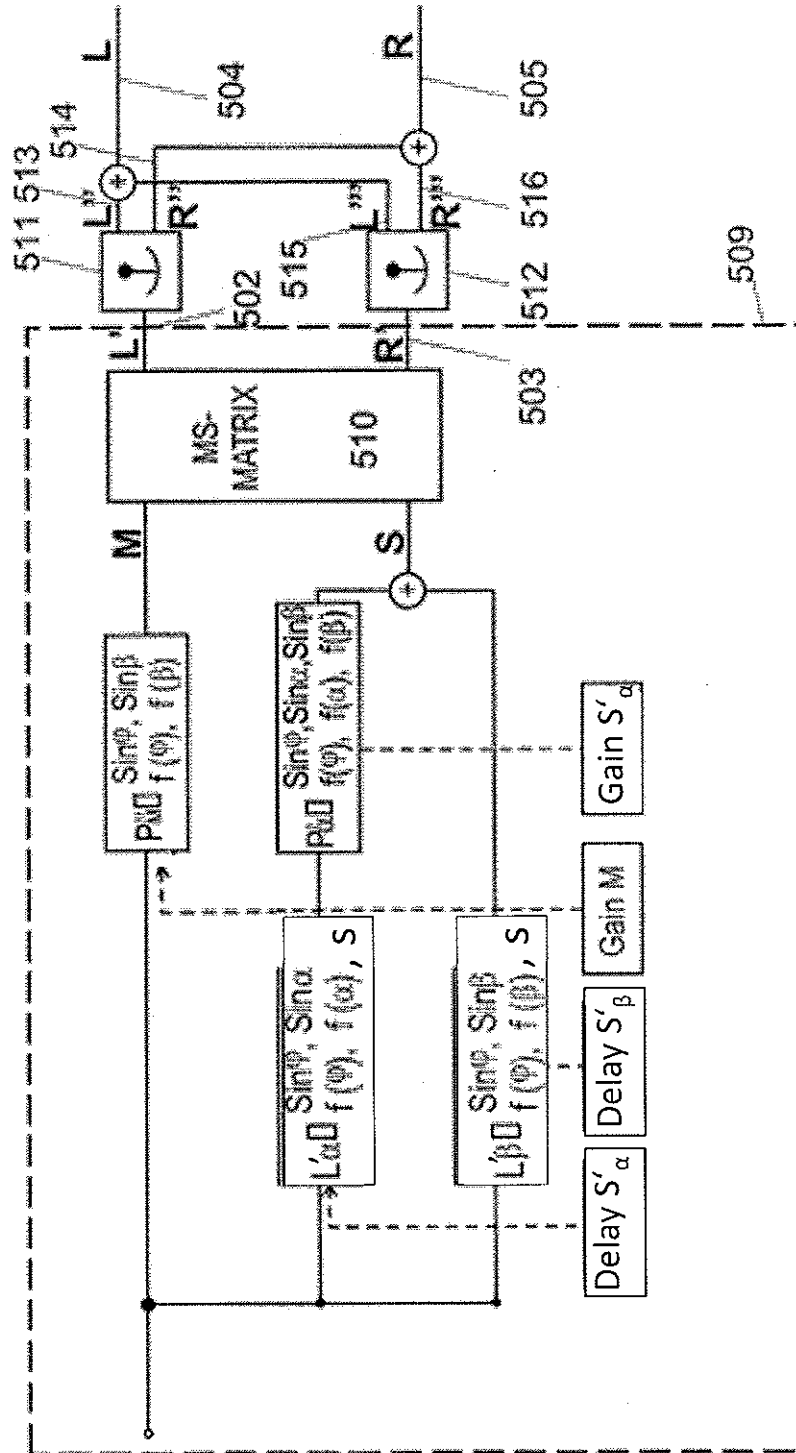


FIG. 4B





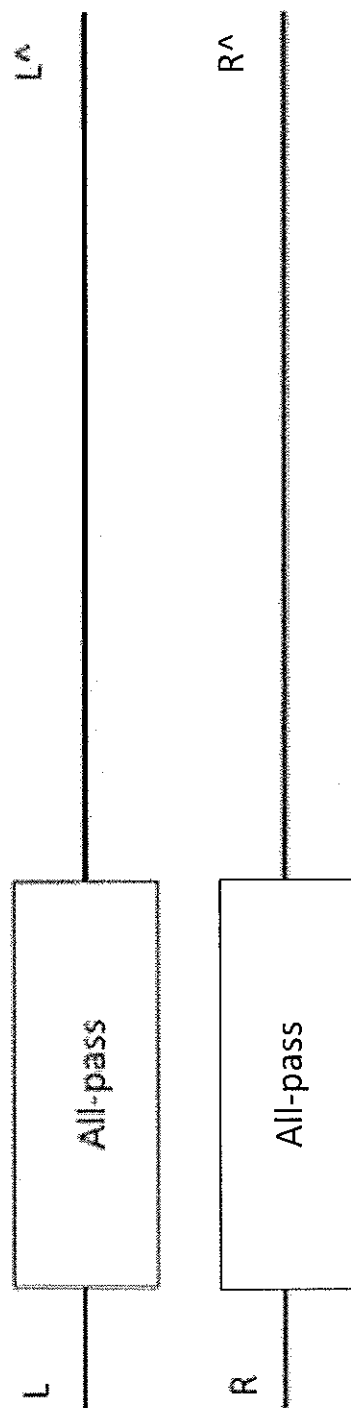


FIG. 4F

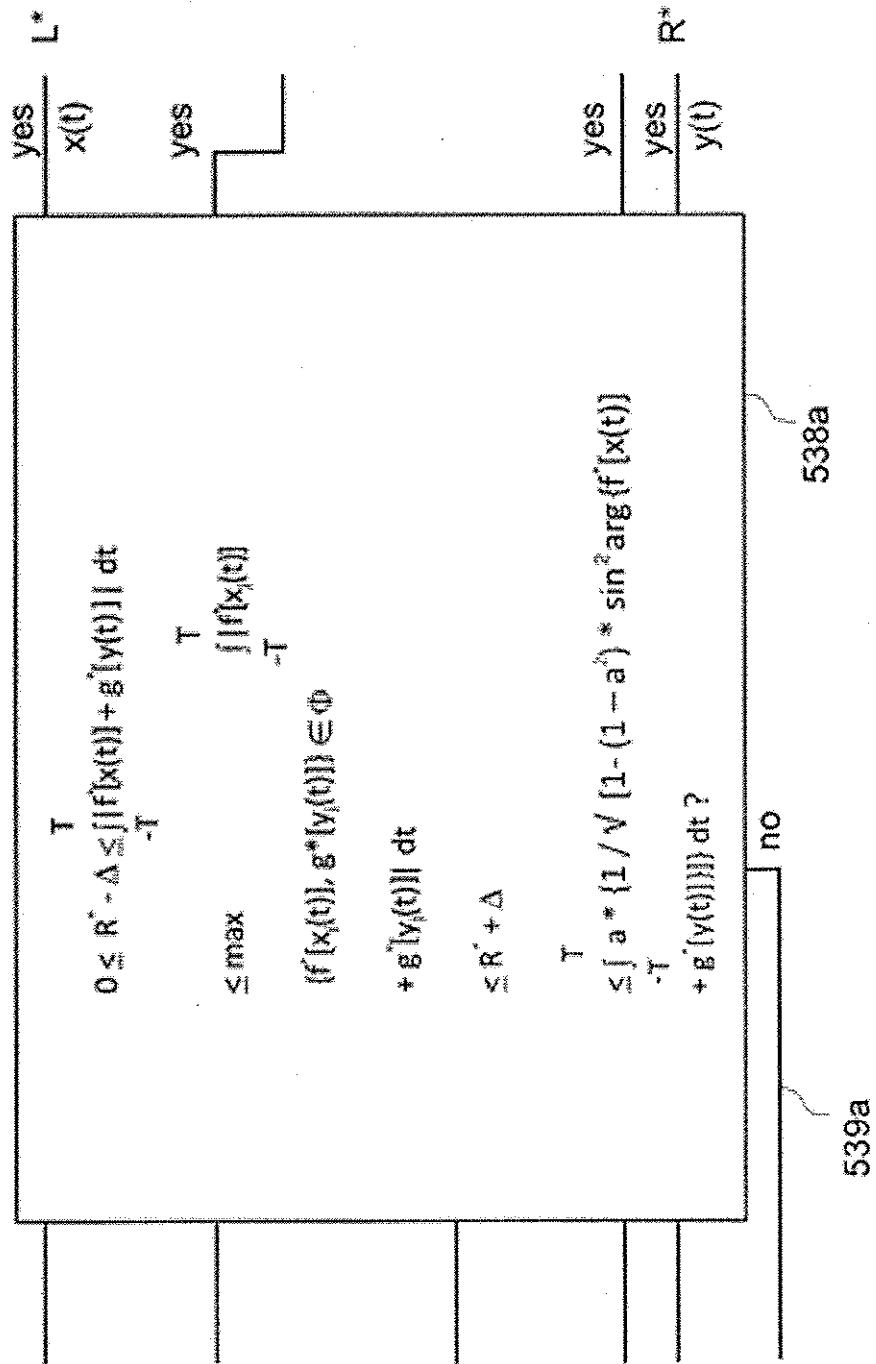


FIG. 5B

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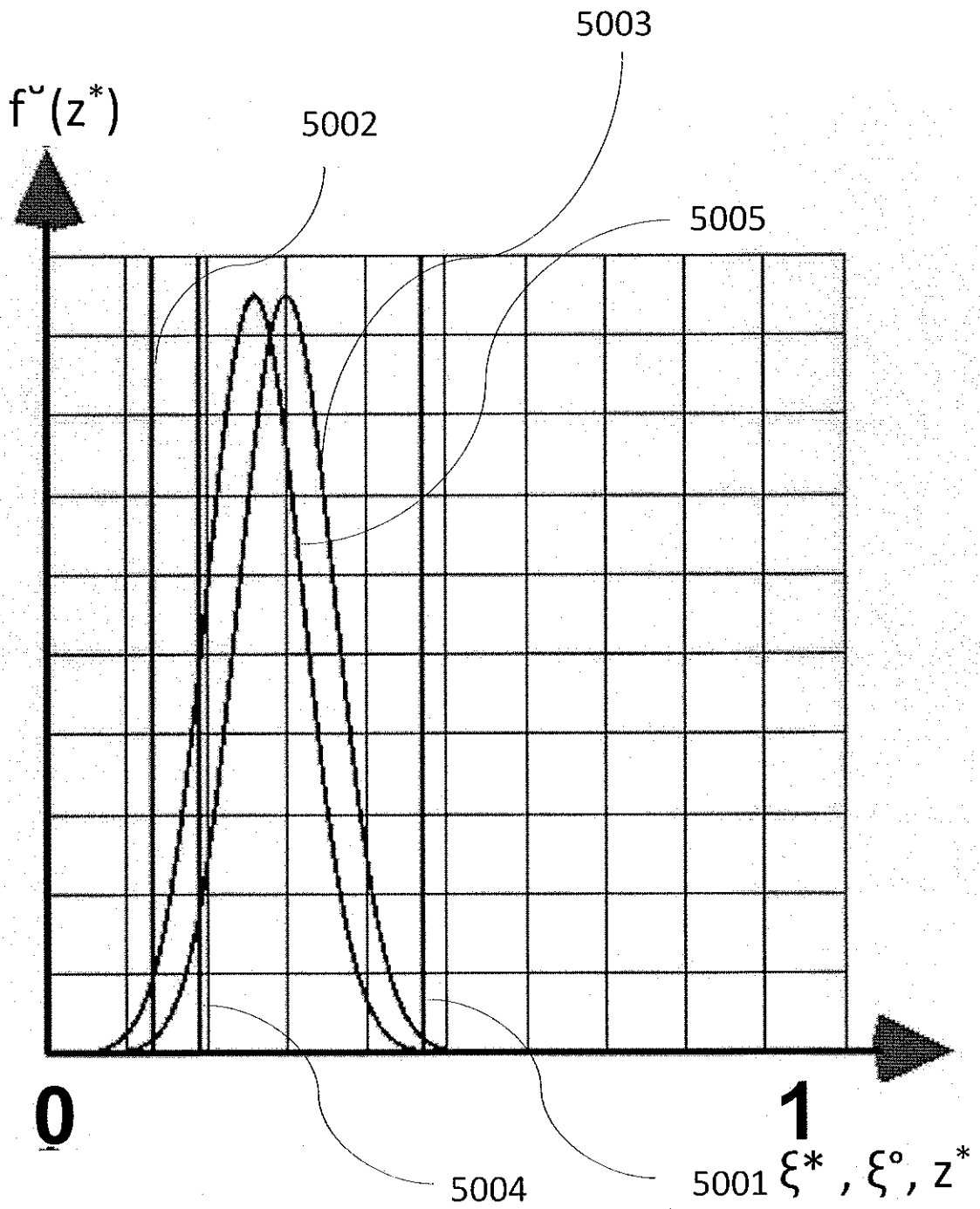


FIG. 5C

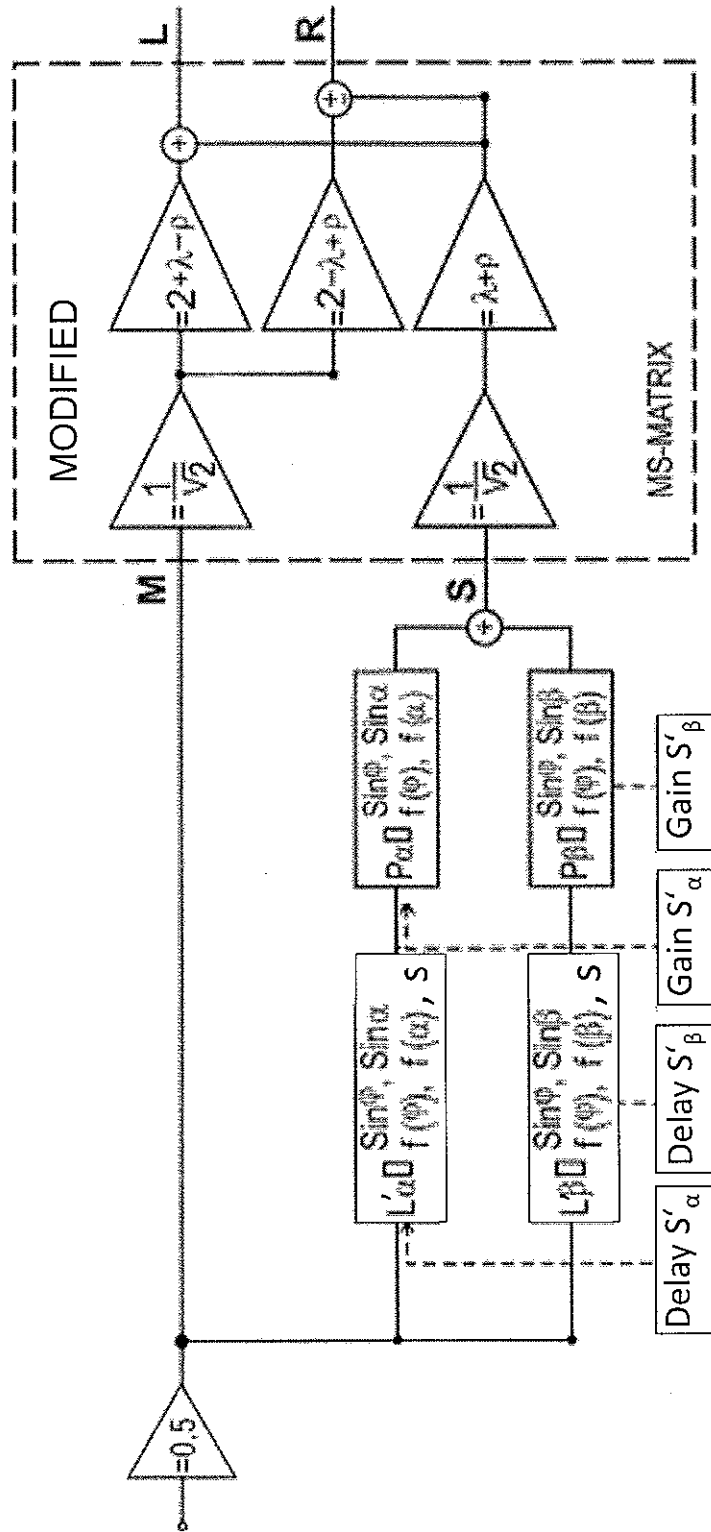


FIG.5D

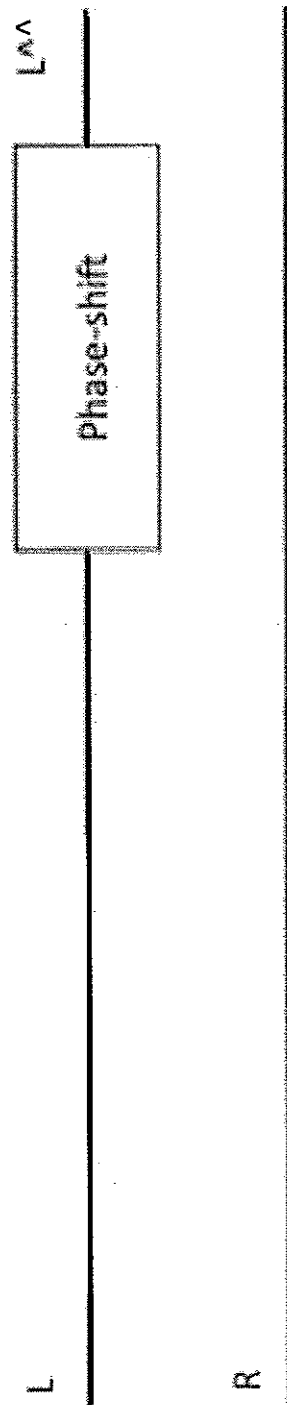


FIG. 5F

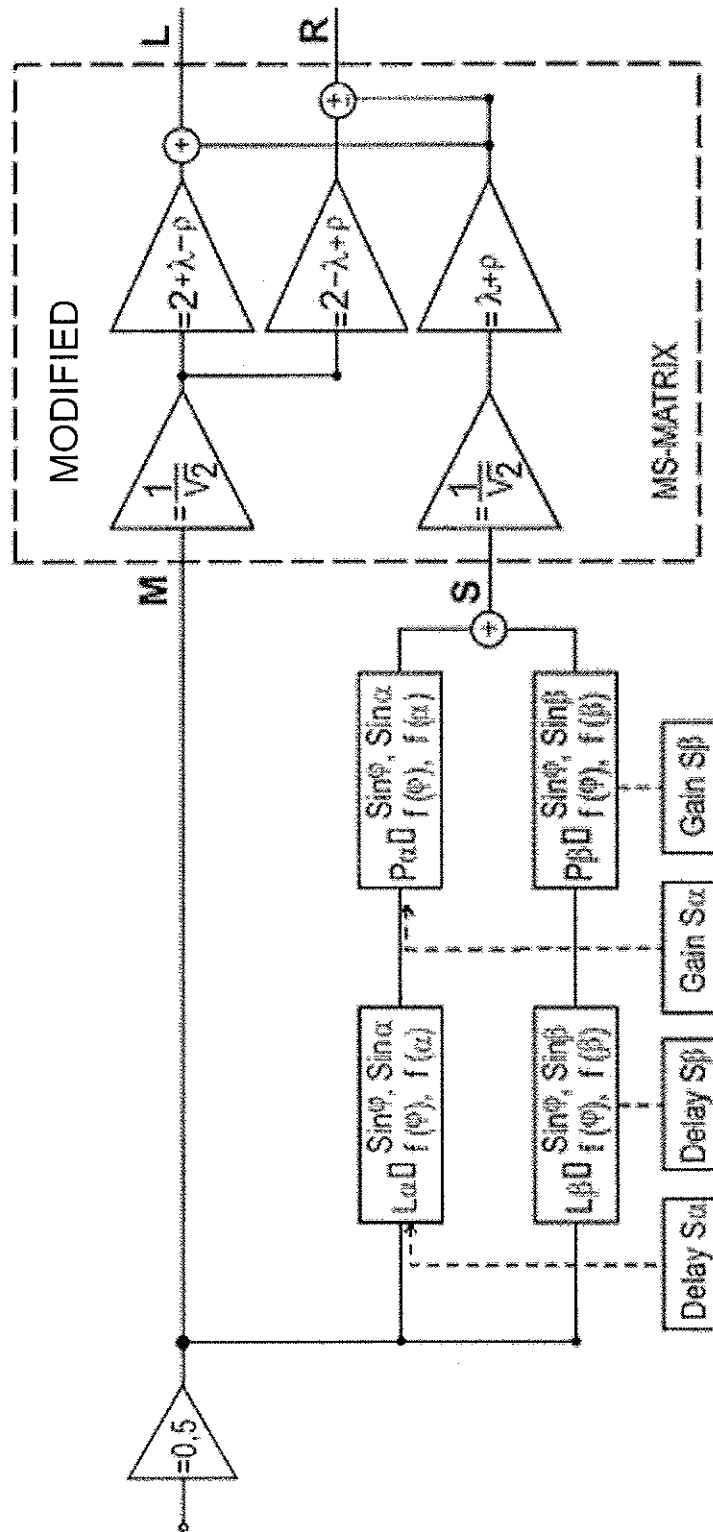


FIG. 6A

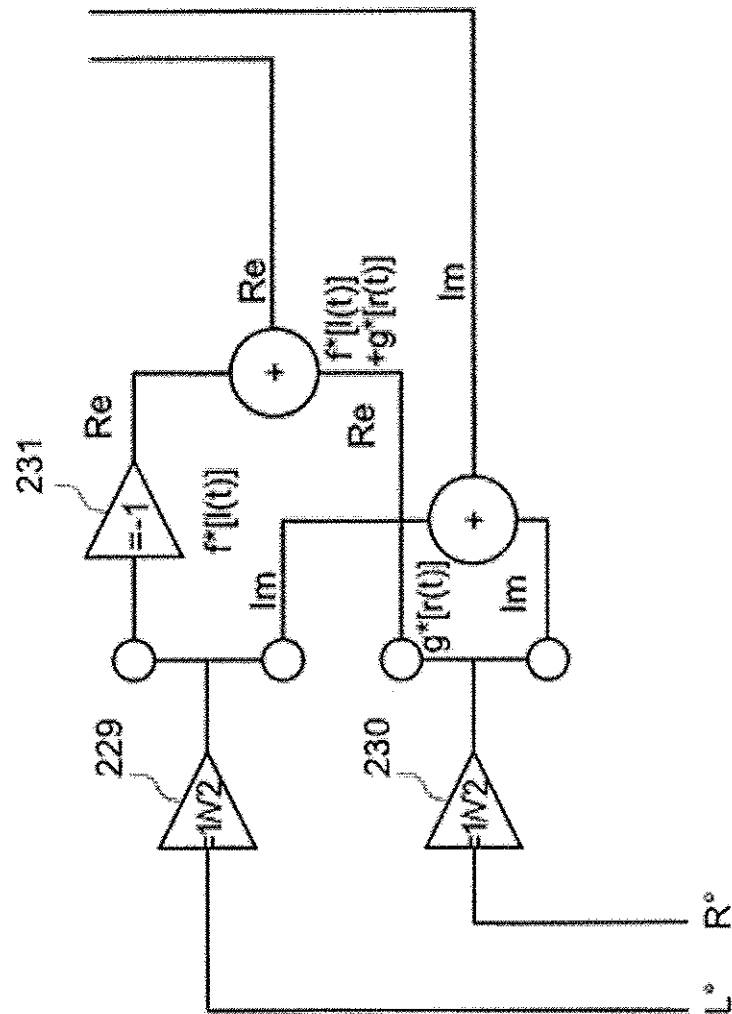
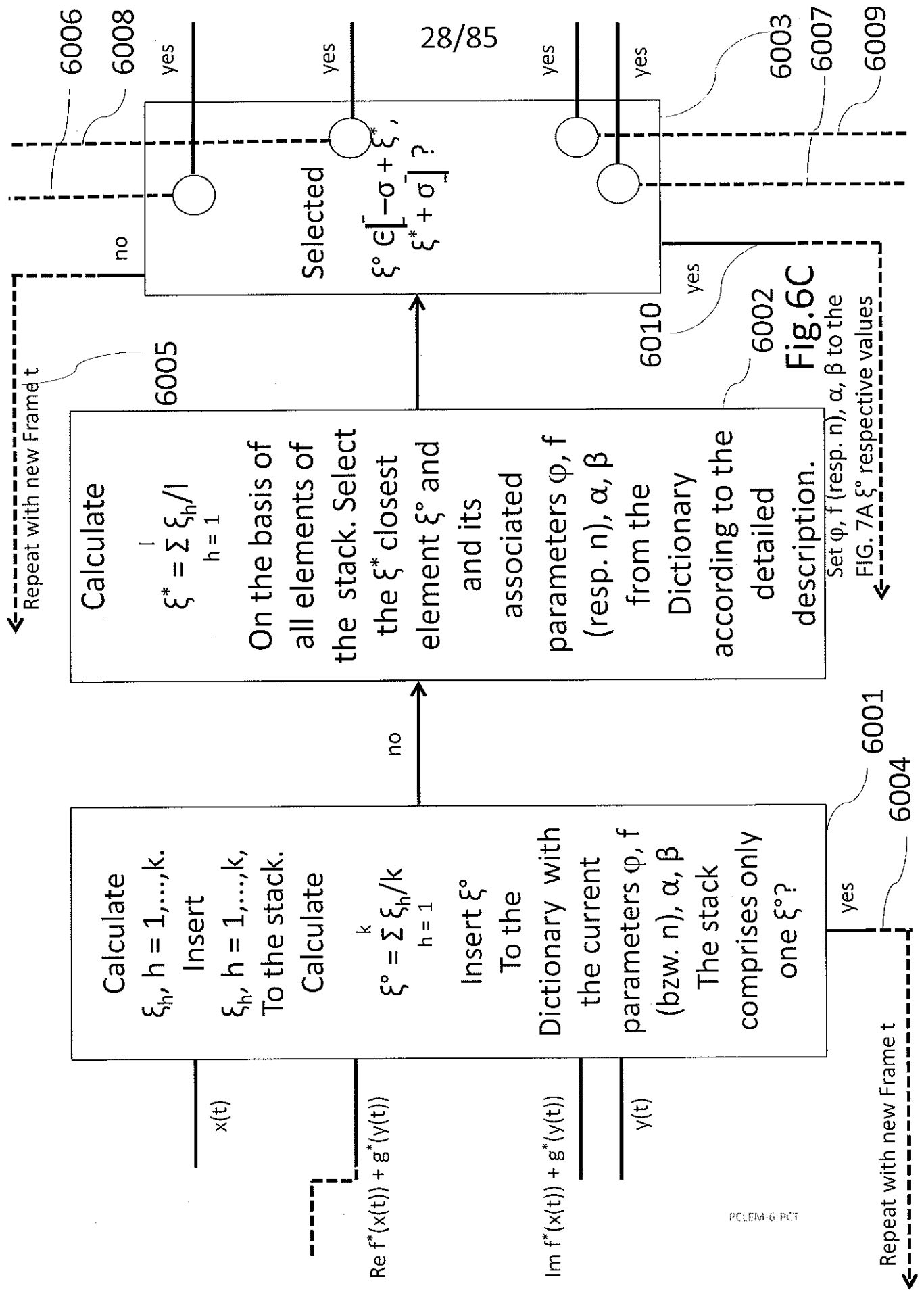


FIG. 6B



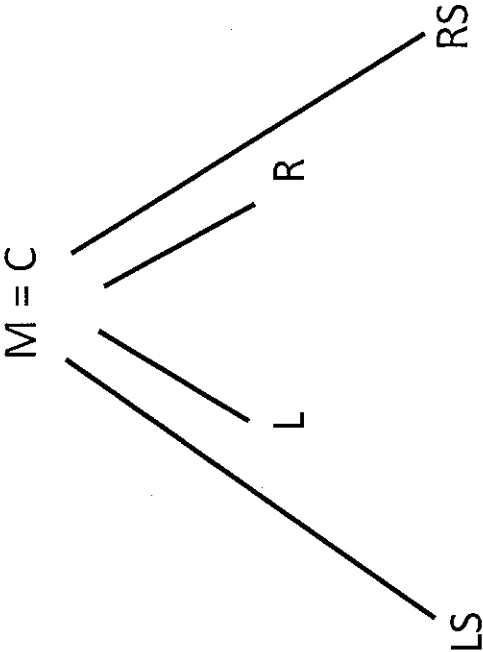


FIG. 7F

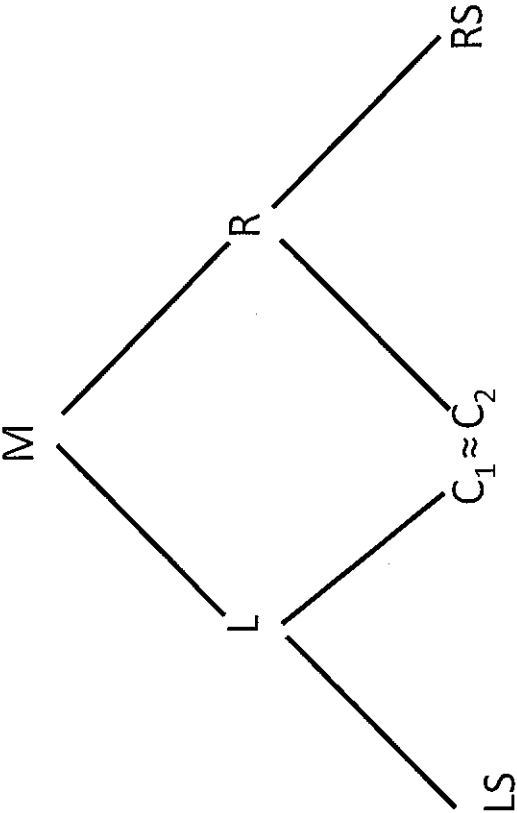


FIG. 6F

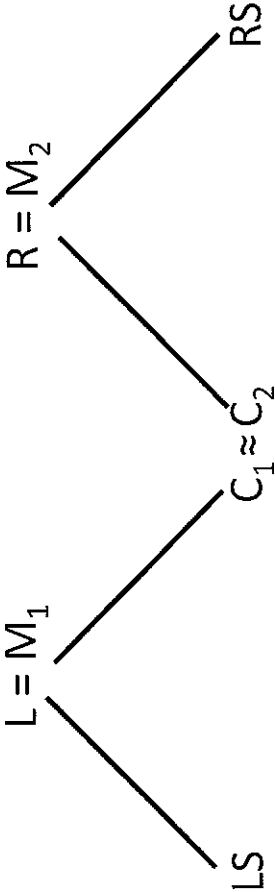


FIG. 8F

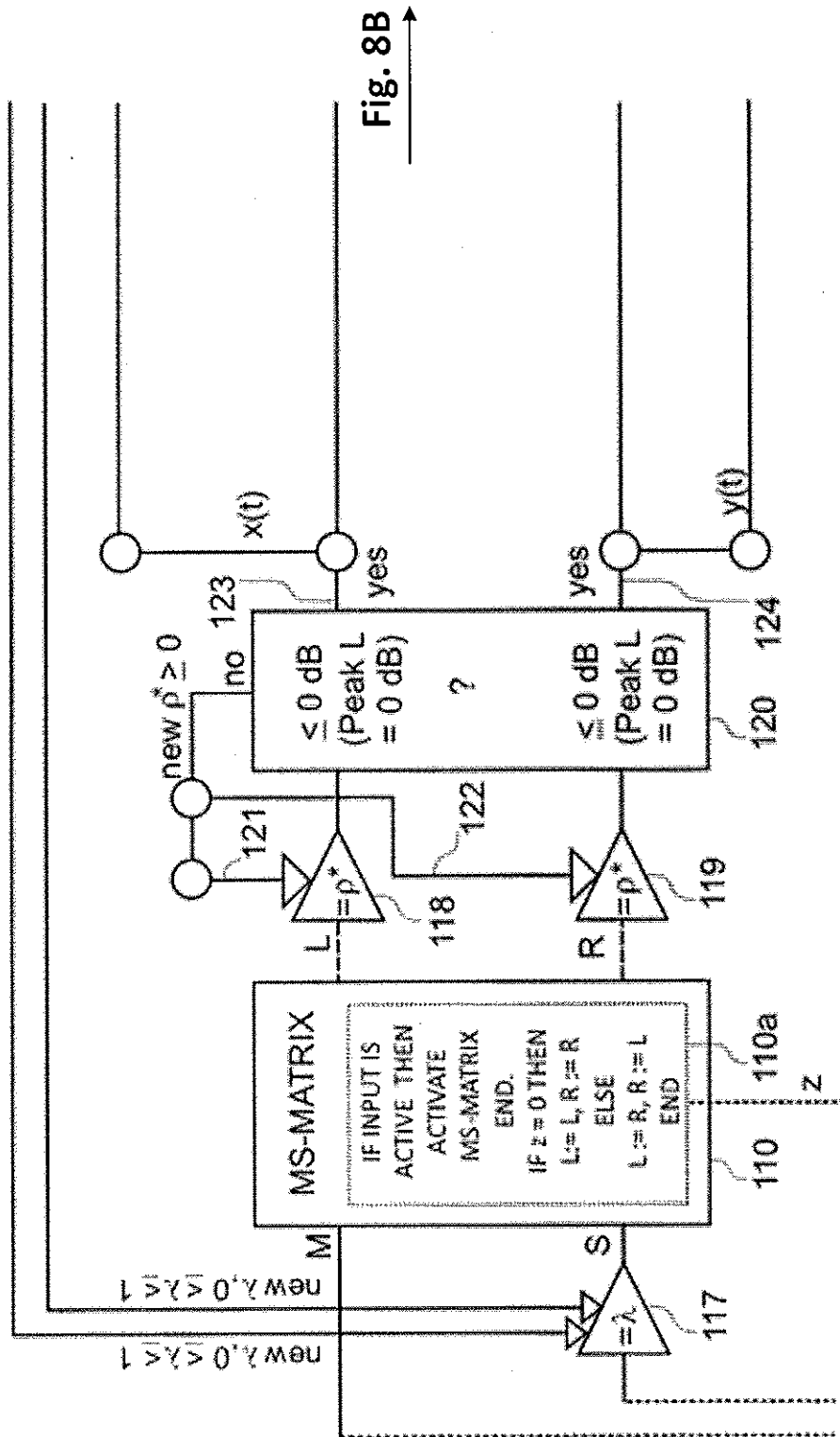


FIG. 7B

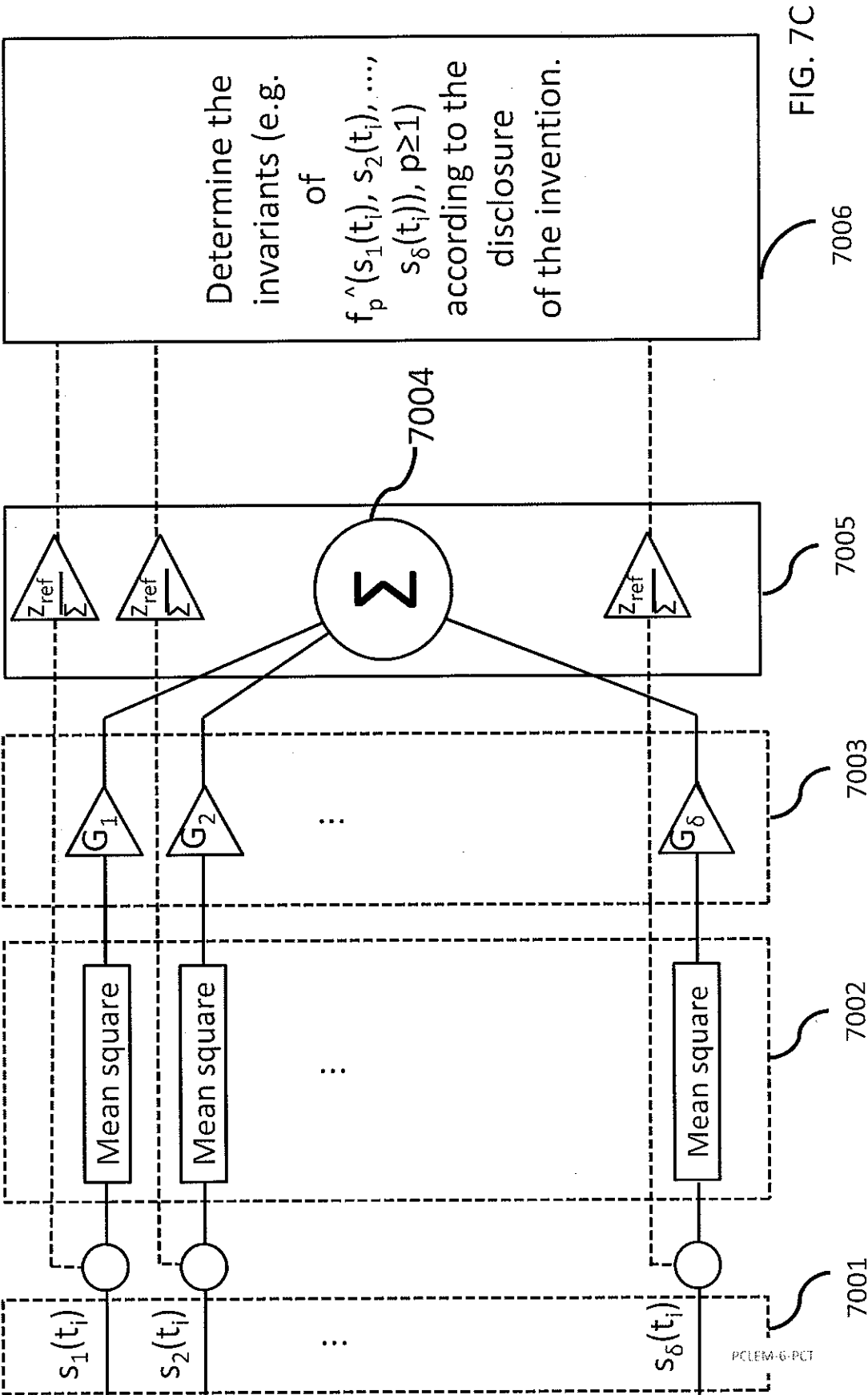


FIG. 7C

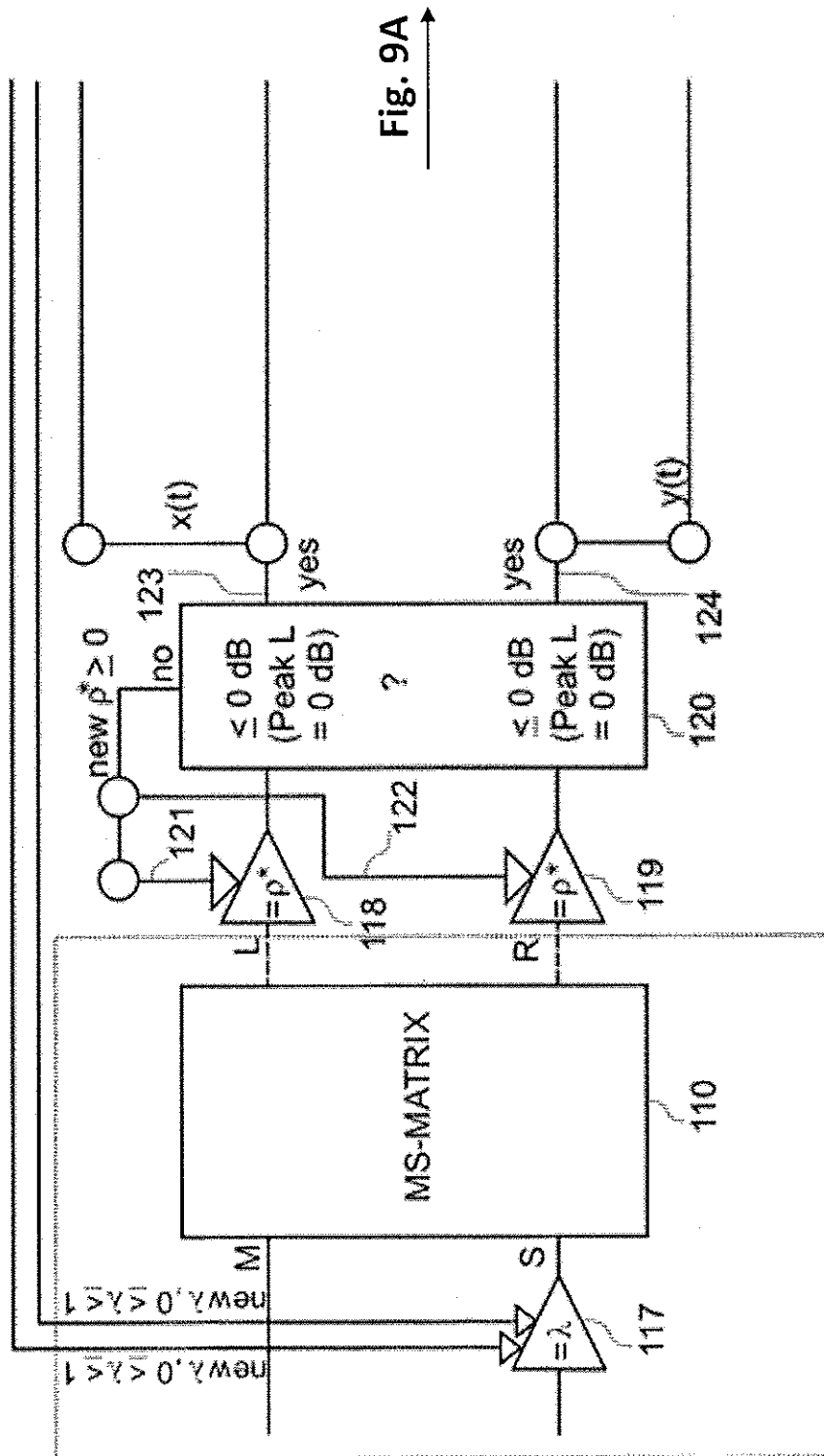


Fig. 9A

FIG. 8A

Fig. 9B

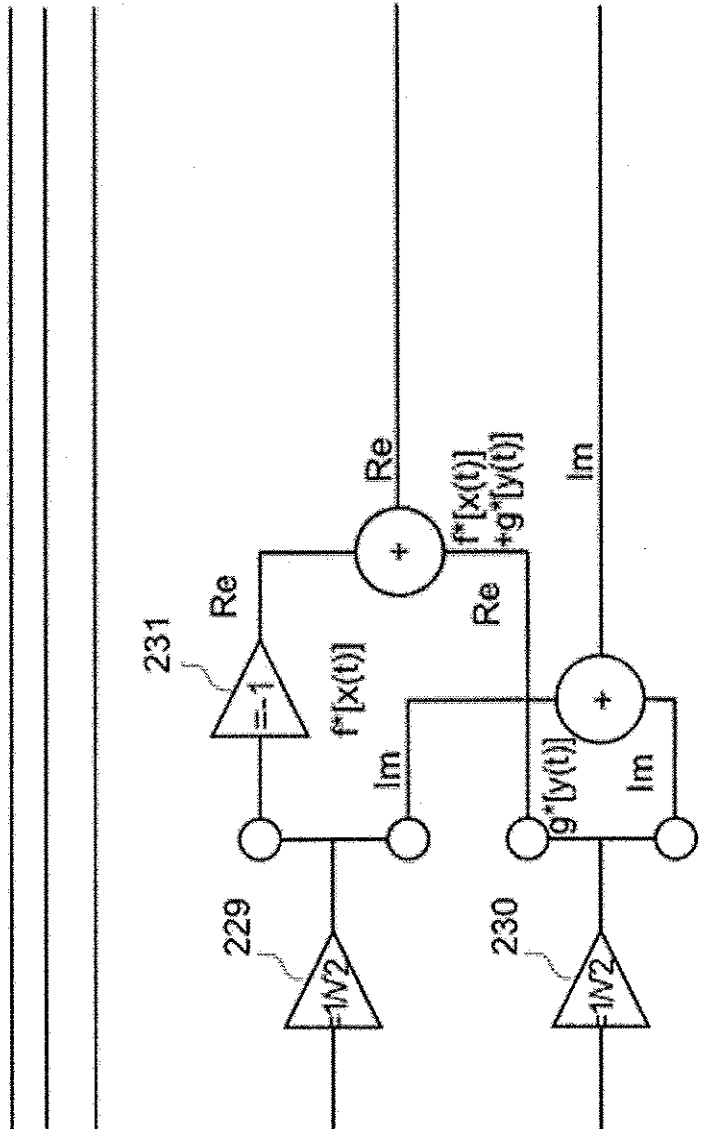


Fig. 7B

FIG. 8B

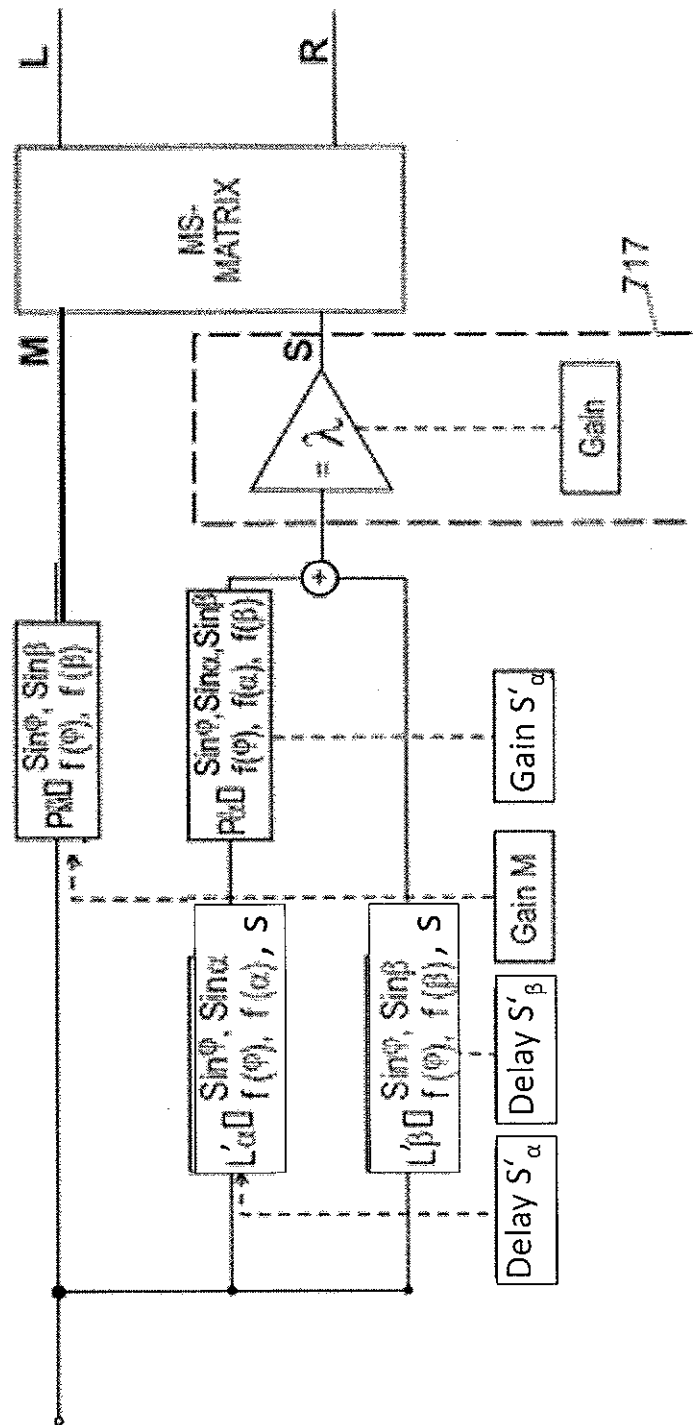


FIG. 8D

Fig. 10A

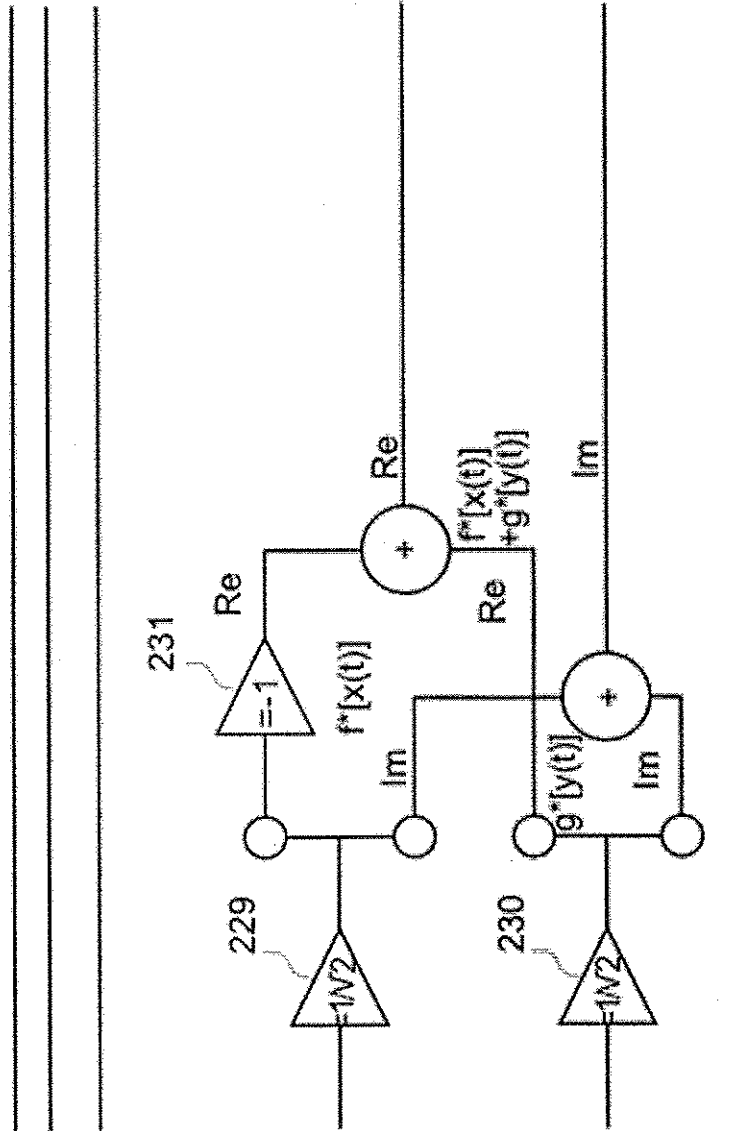


Fig. 8A

FIG. 9A

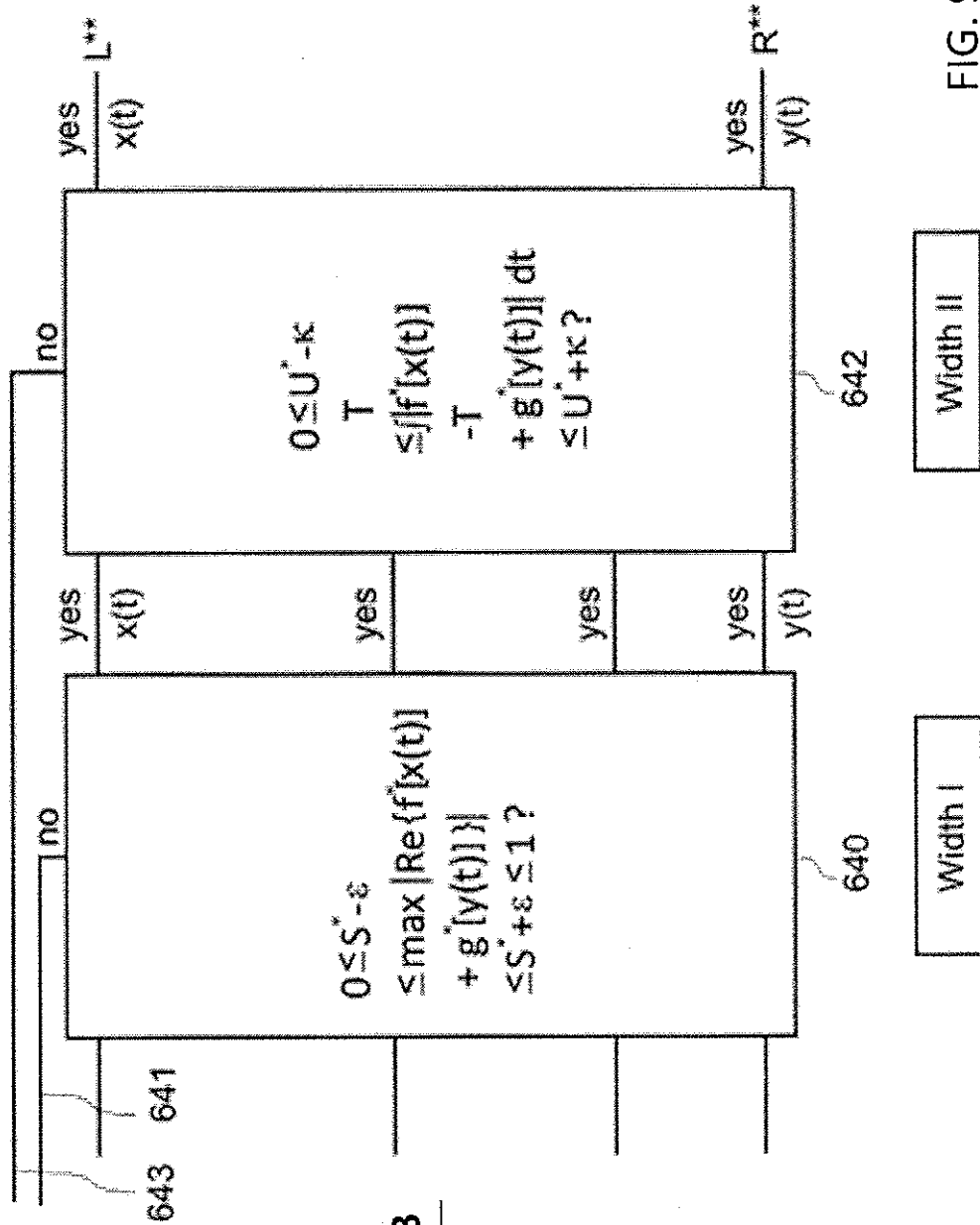


Fig. 8B

FIG. 9B

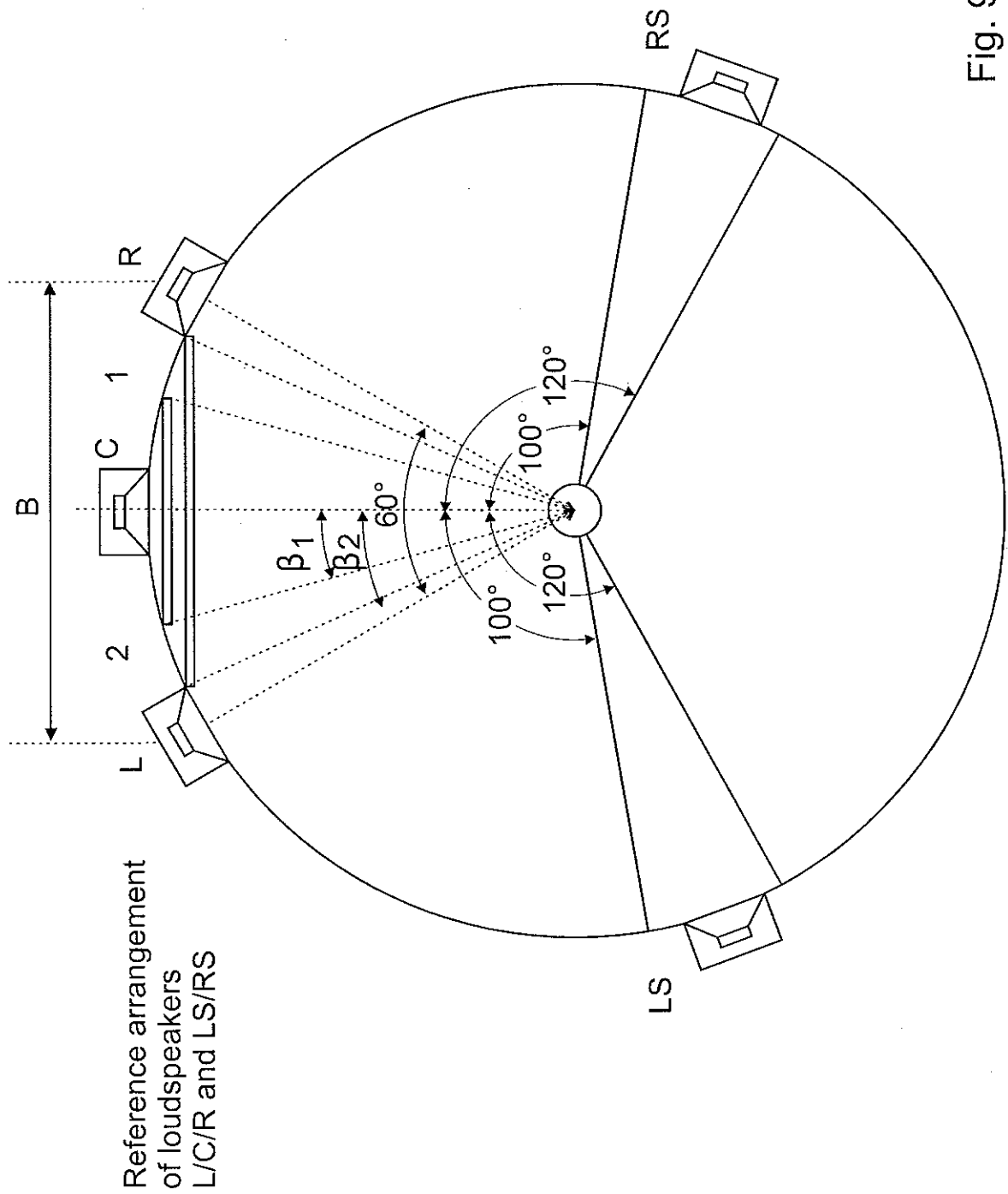


Fig. 9F

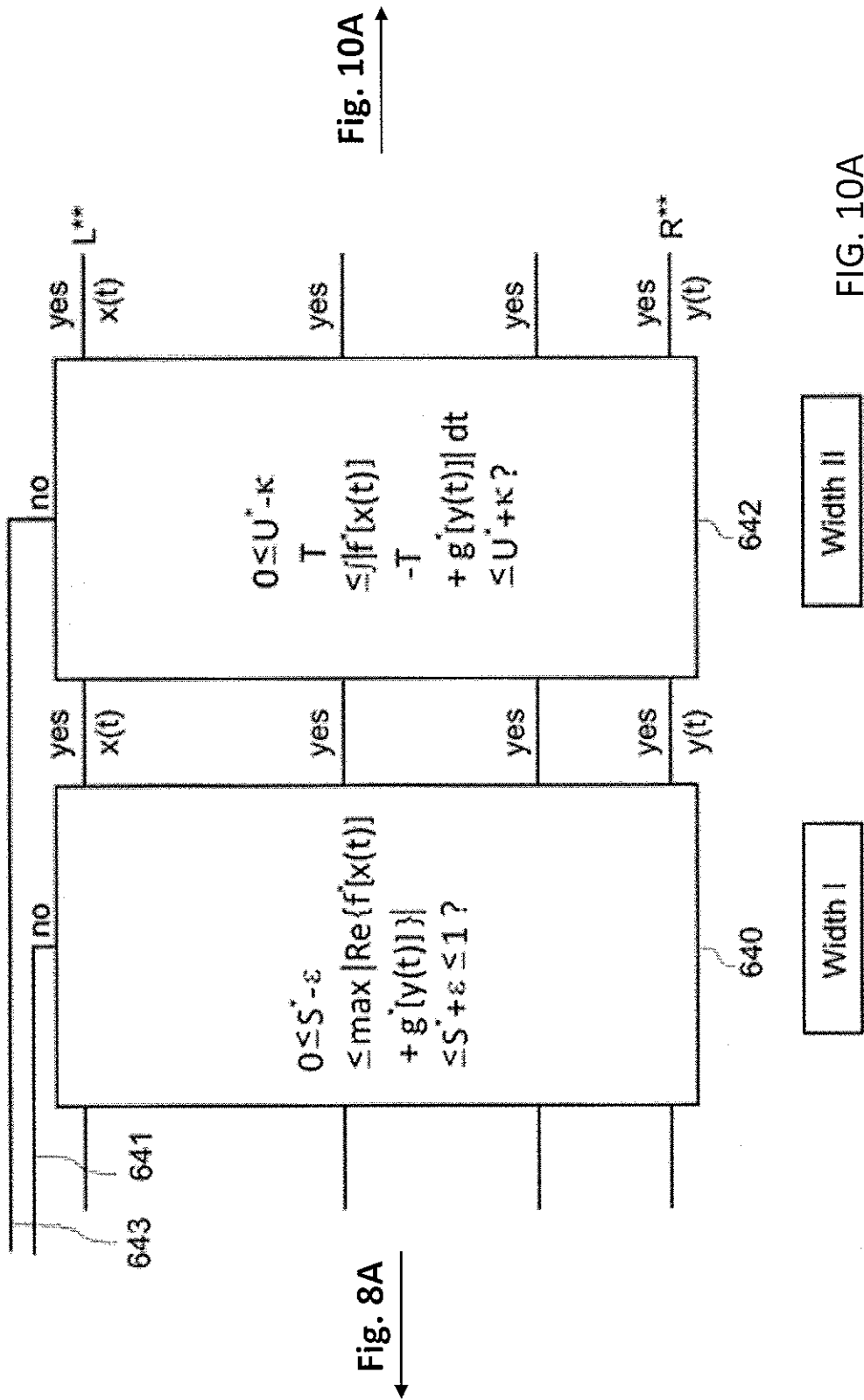




FIG. 10B

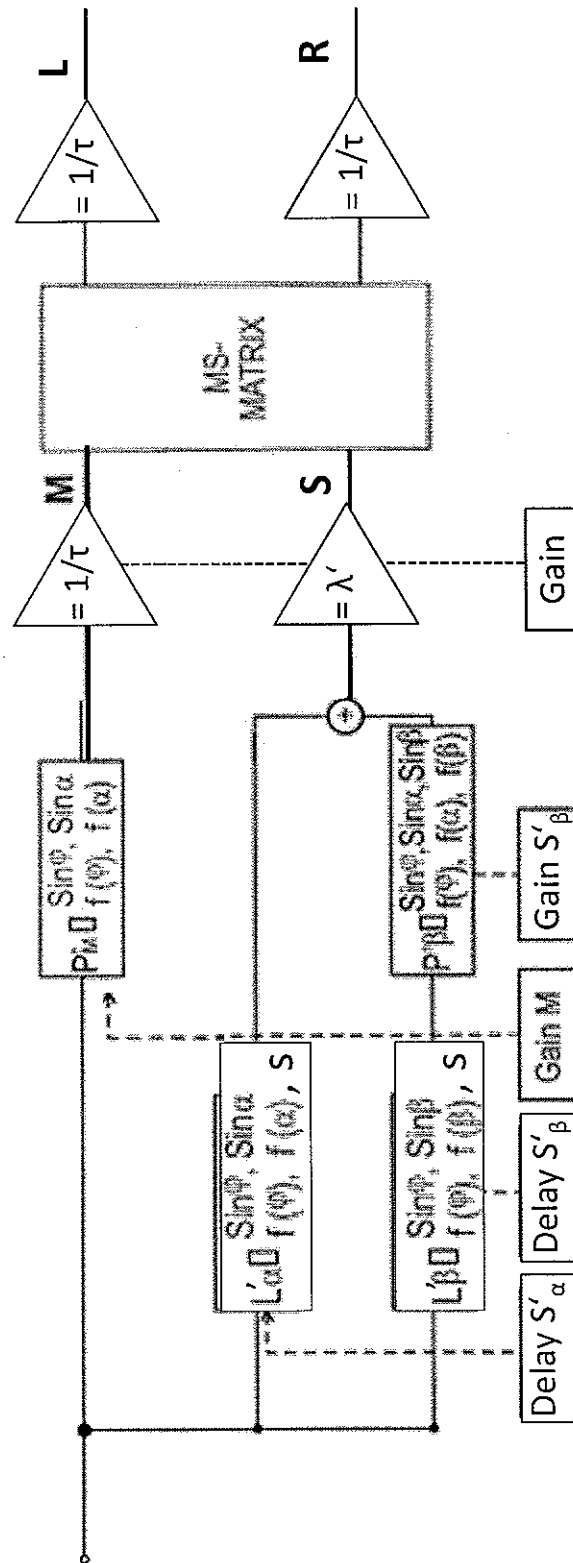


FIG. 10D

TABLE 2 Equations for the downmixing of 3/2-source material

Mono-Format 1/0	L C'= 0.7071	R 0.7071	C 1.0000	LS 0.5000	RS 0.5000
Stereo-Format 2/0	L L'= 1.0000 R'= 0.0000	R 0.0000 1.0000	C 0.7071 0.7071	LS 0.7071 0.0000	RS 0.0000 0.7071
Three-channel format- 3/0	L L'= 1.0000 R'= 0.0000 C'= 0.0000	R 0.0000 0.1000 0.0000	C 0.0000 0.0000 1.0000	LS 0.7071 0.0000 0.0000	RS 0.0000 0.7071 0.0000
Three-channel format- 2/1	L L'= 1.0000 R'= 0.0000 S'= 0.0000	R 0.0000 0.1000 0.0000	C 0.7071 0.7071 0.0000	LS 0.0000 0.0000 0.7071	RS 0.0000 0.0000 0.7071
Four-channel format- 3/1	L L'= 1.0000 R'= 0.0000 C'= 0.0000 S'= 0.0000	R 0.0000 0.1000 0.0000 0.0000	C 0.0000 0.0000 0.1000 0.0000	LS 0.0000 0.0000 0.0000 0.7071	RS 0.0000 0.0000 0.0000 0.7071
Four-channel format- 2/2	L L'= 1.0000 R'= 0.0000 LS'= 0.0000 RS'= 0.0000	R 0.0000 0.1000 0.0000 0.0000	C 0.7071 0.7071 0.0000 0.0000	LS 0.0000 0.0000 0.1000 0.0000	RS 0.0000 0.0000 0.0000 0.1000

FIG. 10F

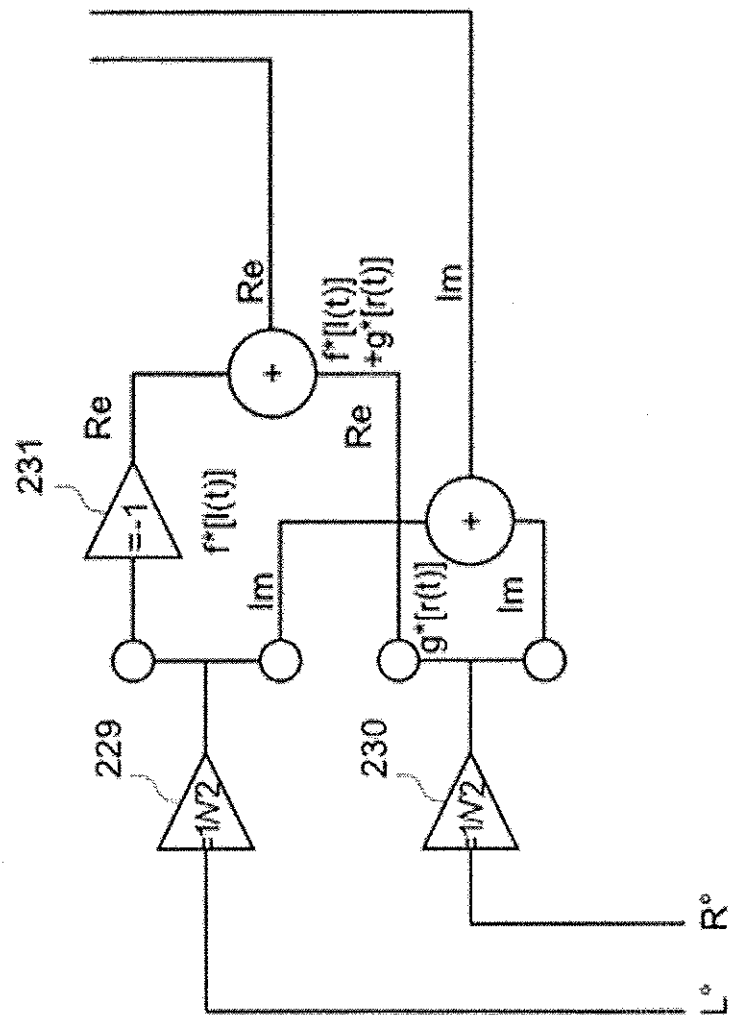


FIG. 11A

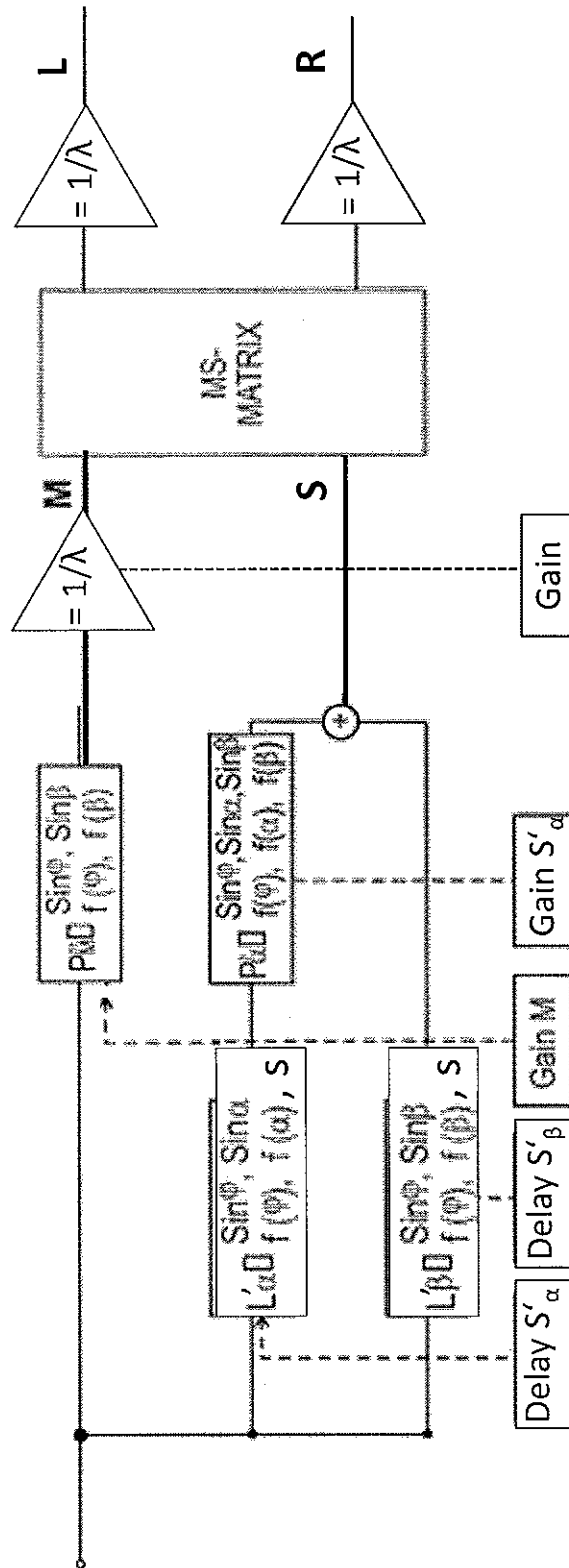
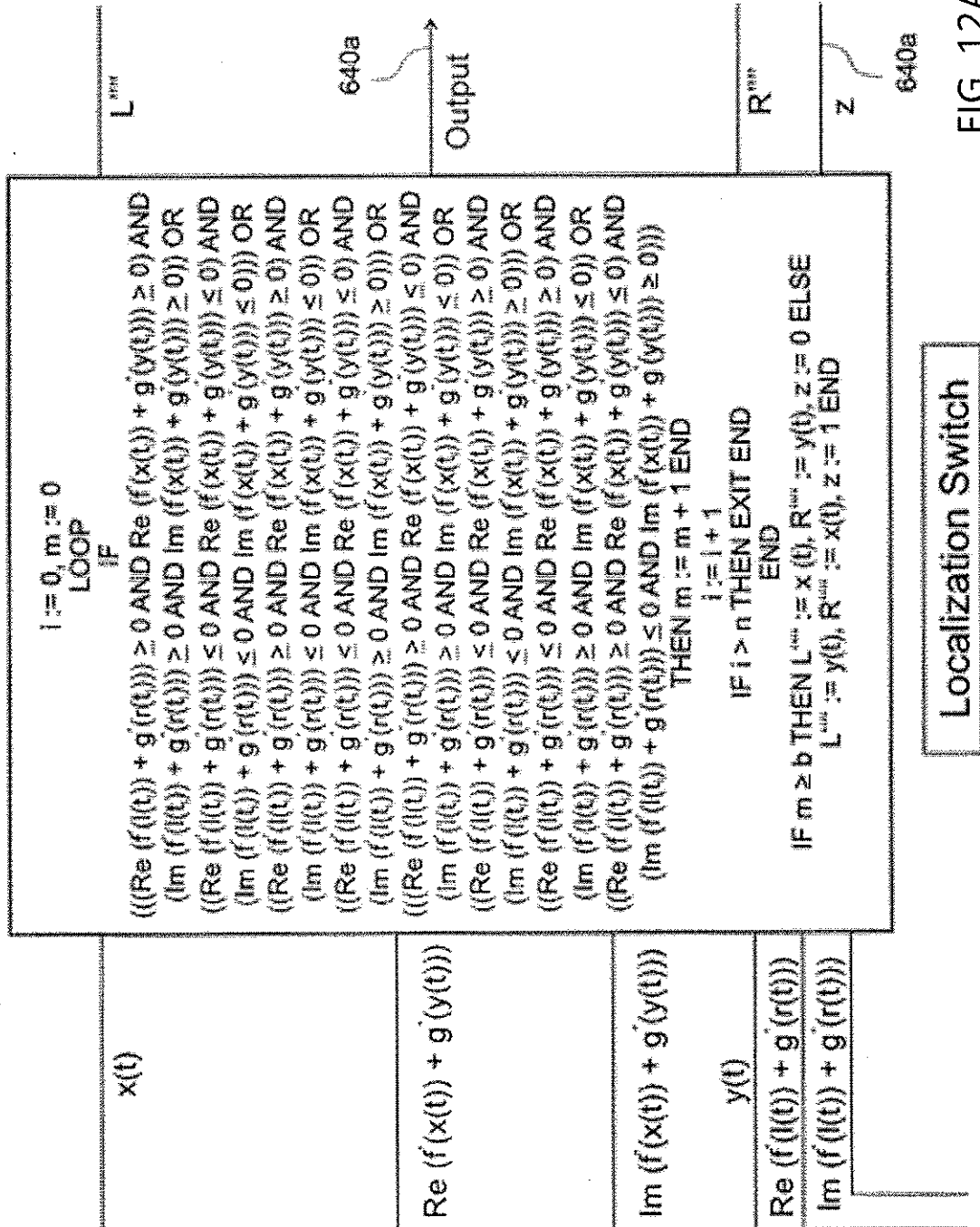


FIG. 11D

φ	f (resp.n)	α	β
X For $\varphi \leq \alpha$ or $ \varphi \leq \beta$.	For $f(\varphi) = f(\alpha) = f(\beta) = 1$.	For $\alpha = \text{const.}$	For $\beta = \text{const.}$
For $\varphi = 0$ resp. const. with $\varphi \leq \alpha$ or $ \varphi \leq \beta$.	For any $f =$ (resp.n).	For $\alpha = \text{const.}$	For $\beta = \text{const.}$
For $\varphi = 0$ resp. const. with $\varphi \leq \alpha$	For $f(\varphi) = f(\alpha) = f(\beta) = 1$.	X	For $\alpha = \beta$.
For $\varphi = 0$ resp. const. with $\varphi \leq \alpha$ or $ \varphi \leq \beta$.	For $f(\varphi) = f(\alpha) = f(\beta) = 1$.	X	X
For $\varphi = 0$ resp. const. with $\varphi \leq \alpha$	X	X	For $\alpha = \beta$.
X For $\varphi = 0$ resp. const. with $\varphi \leq \alpha$	For $f(\varphi) = f(\alpha) = f(\beta) = 1$.	X	For $\alpha = \beta$.
X For $\varphi \leq \alpha$ or $ \varphi \leq \beta$.	X	For $\alpha = \text{const.}$	For $\beta = \text{const.}$
For $\varphi = 0$ resp. const. with $\varphi \leq \alpha$ or $ \varphi \leq \beta$.	X	X	X
X For $\varphi \leq \alpha$ or $ \varphi \leq \beta$.	For $f(\varphi) = f(\alpha) = f(\beta) = 1$.	X	X
X For $\varphi \leq \alpha$.	X	X	For $\alpha = \beta$.
X For $\varphi \leq \alpha$ or $ \varphi \leq \beta$.	X	X	X

FIG.11F

PCLEM-2-PCT



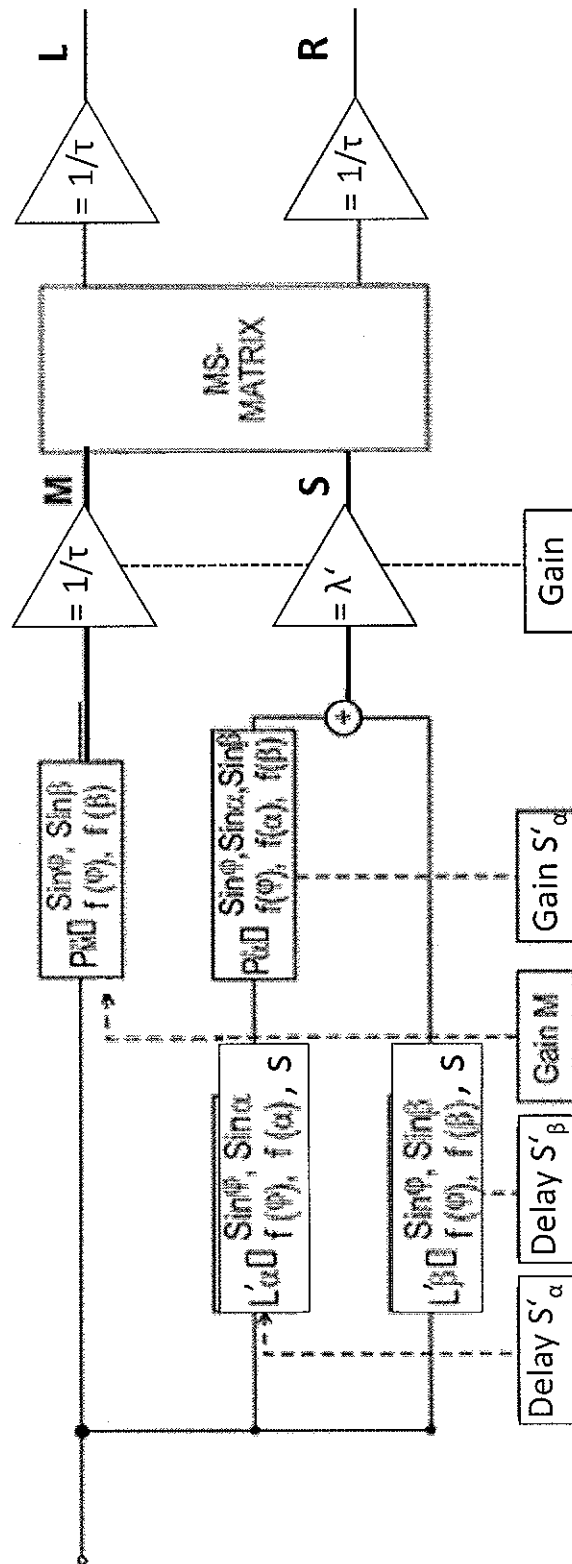


FIG. 12D

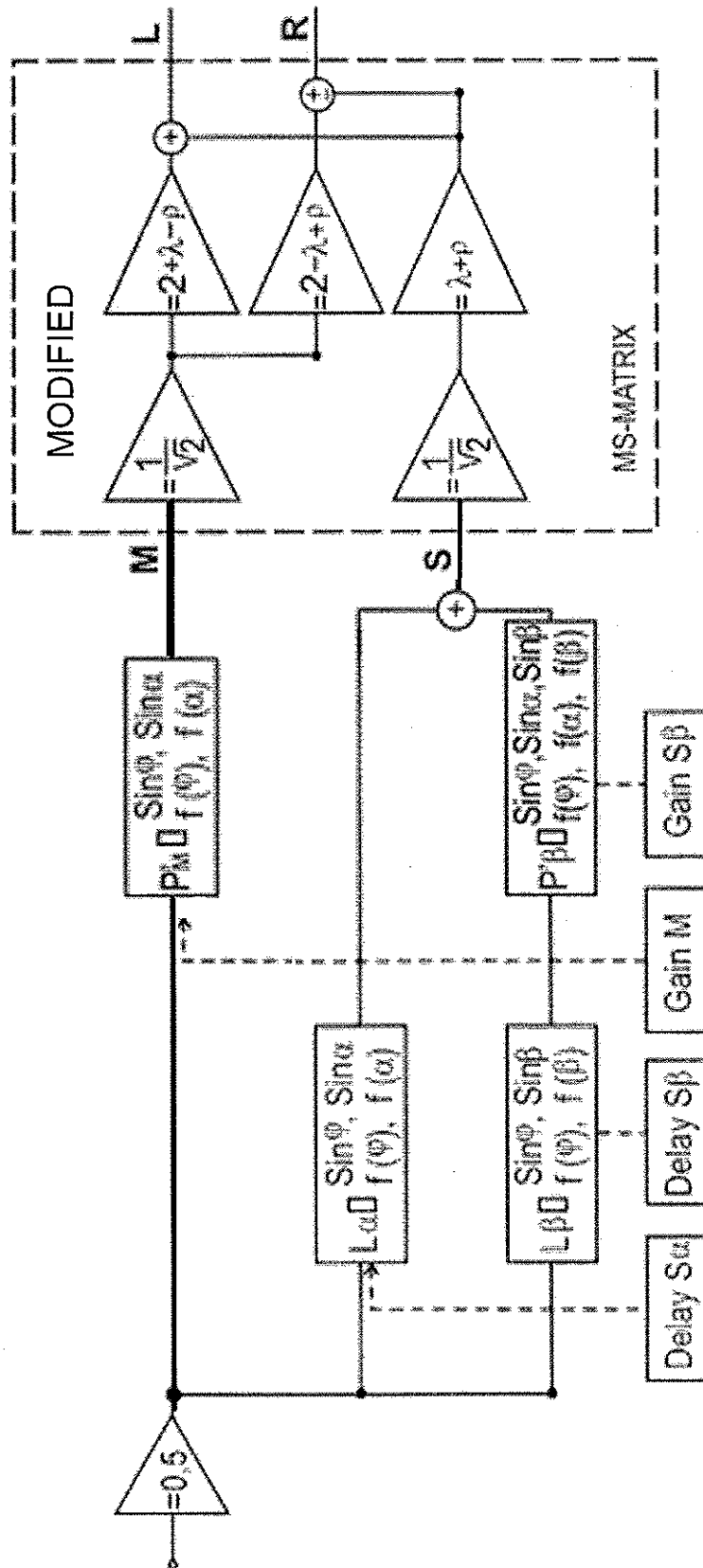


FIG. 13A

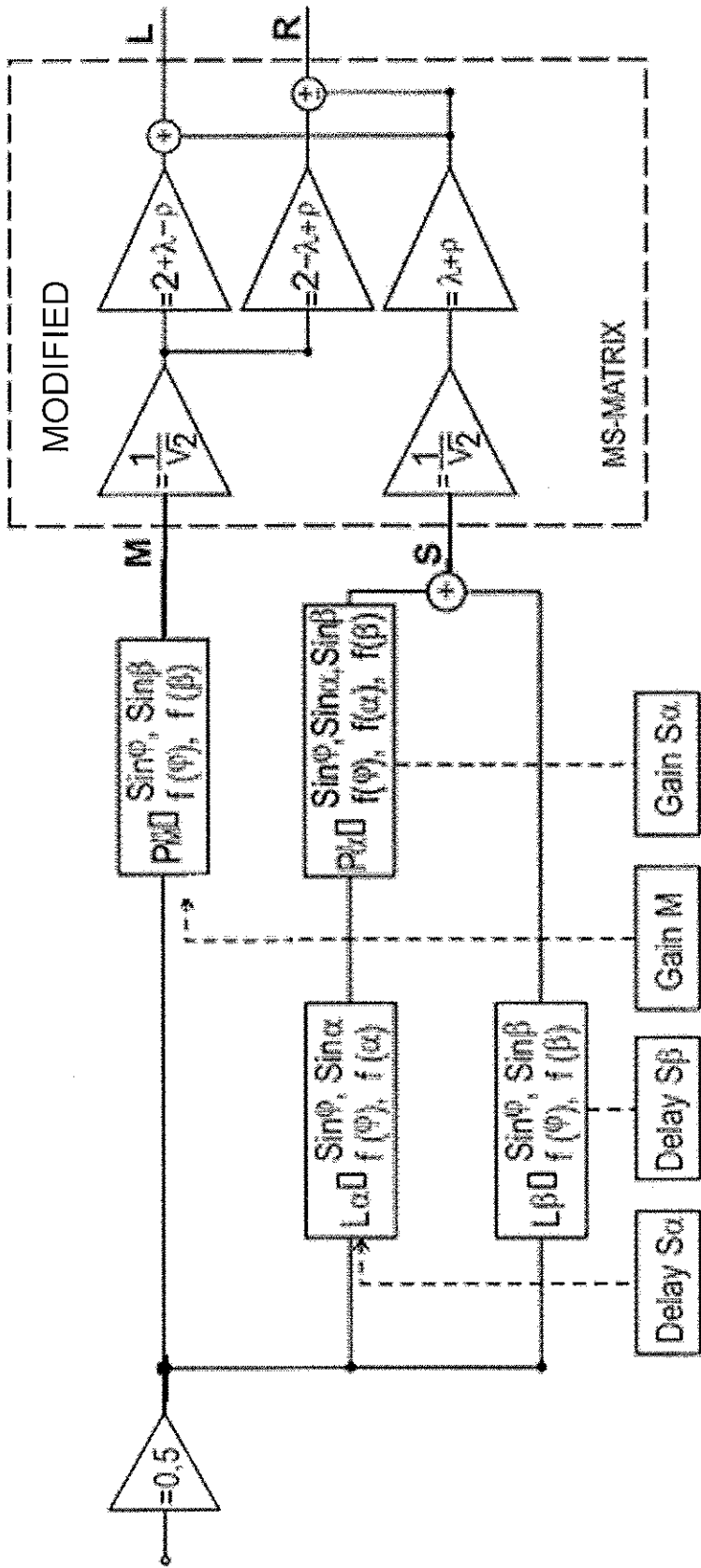


FIG. 14A

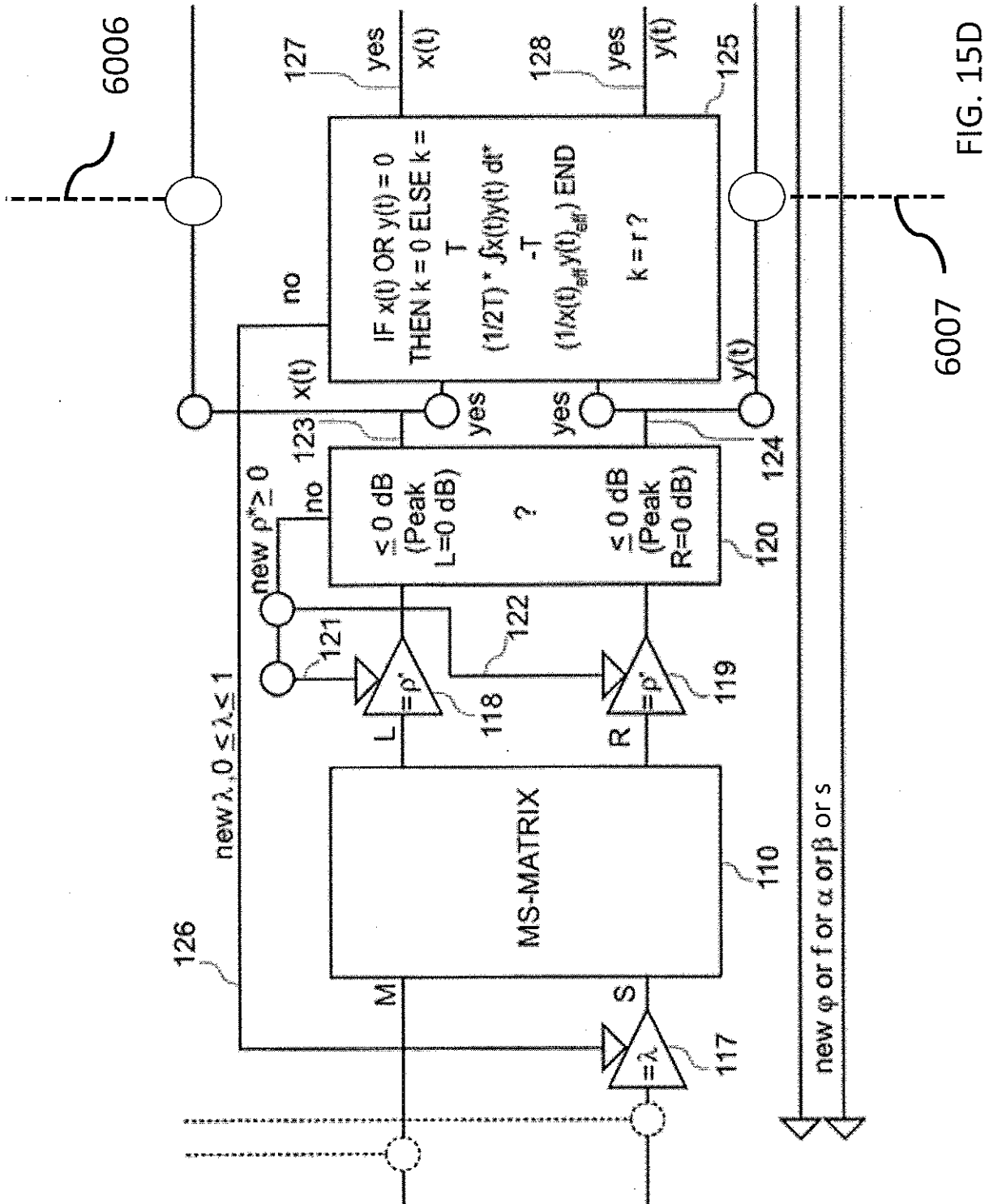


FIG. 15D

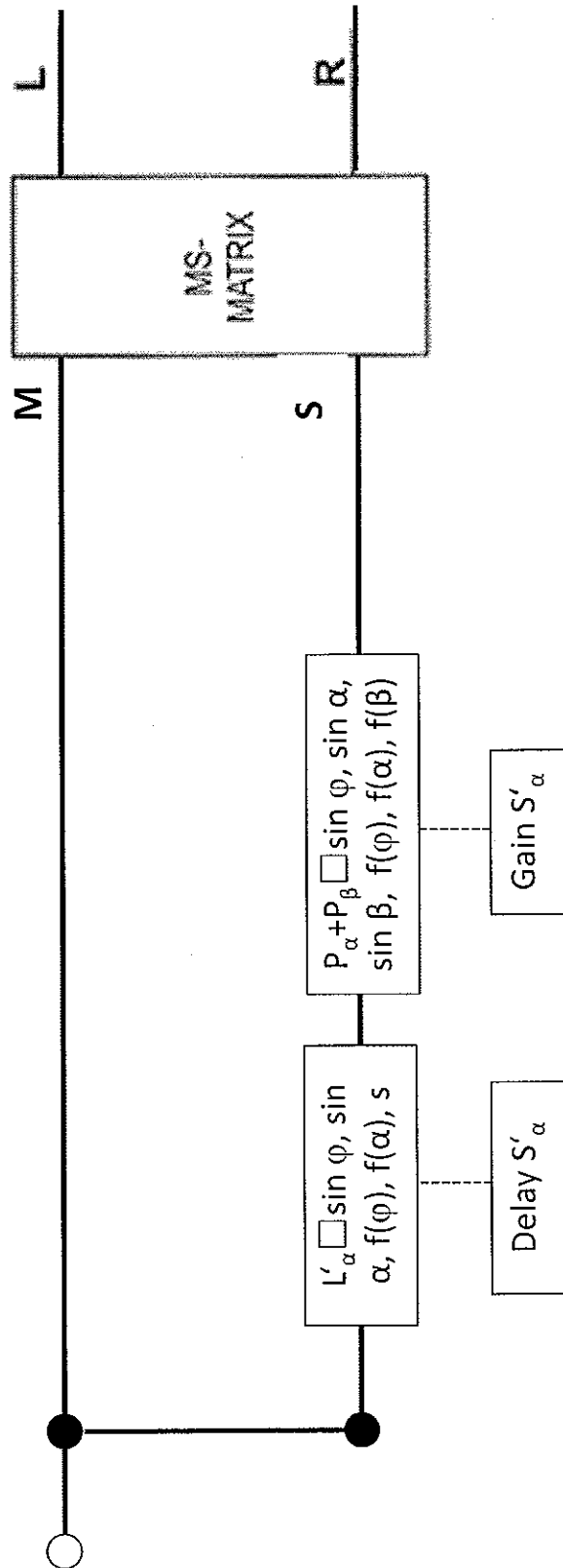


FIG. 17D

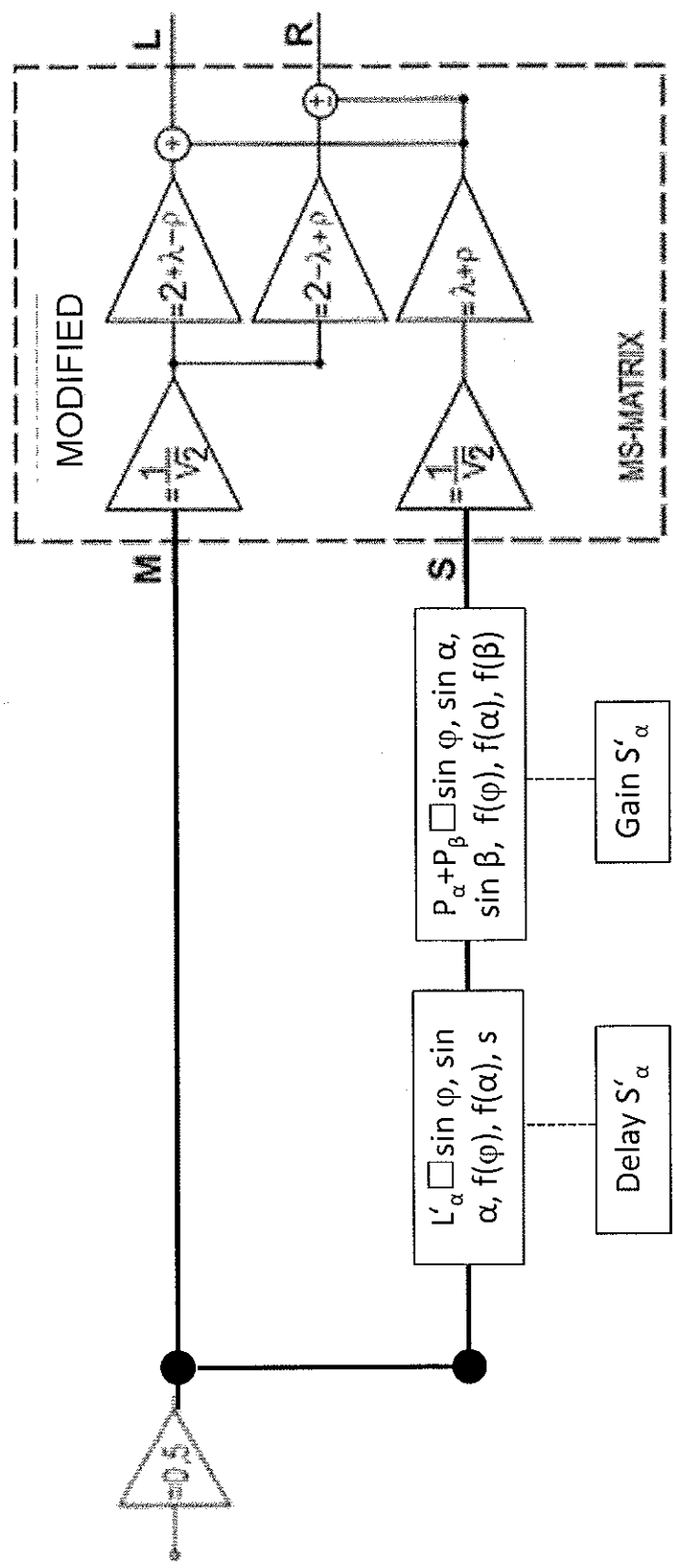


FIG. 18D

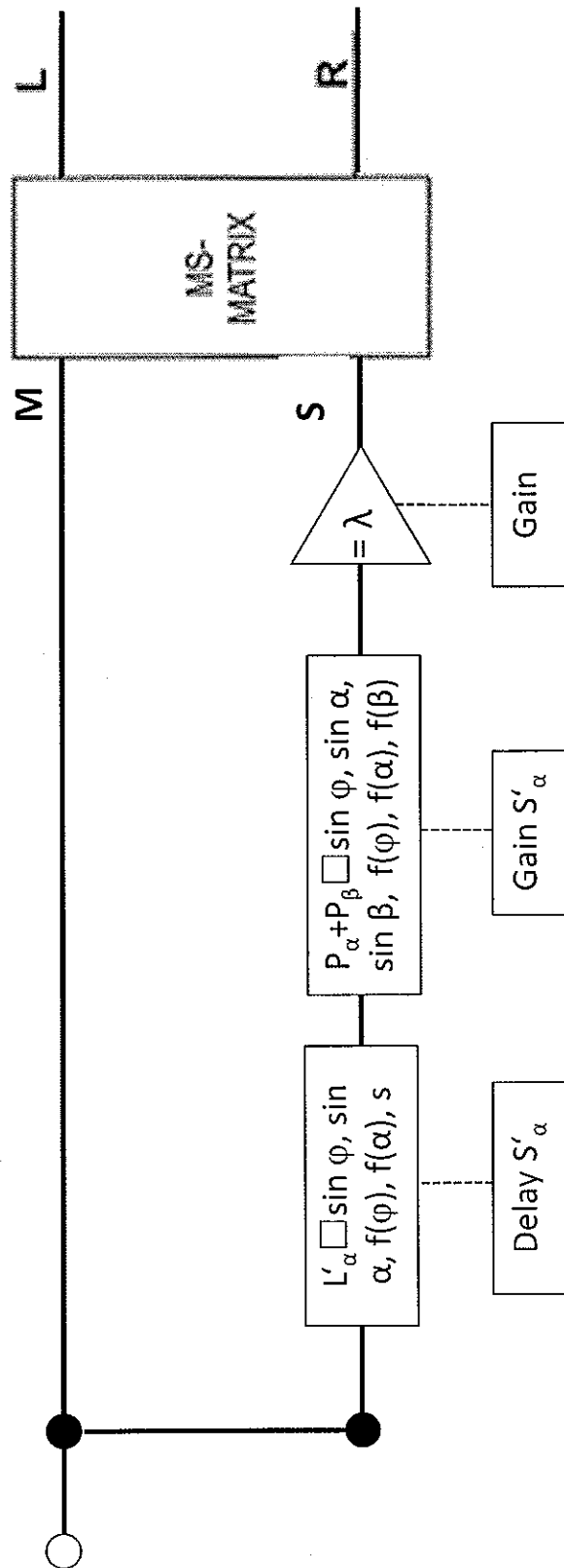


FIG. 19D

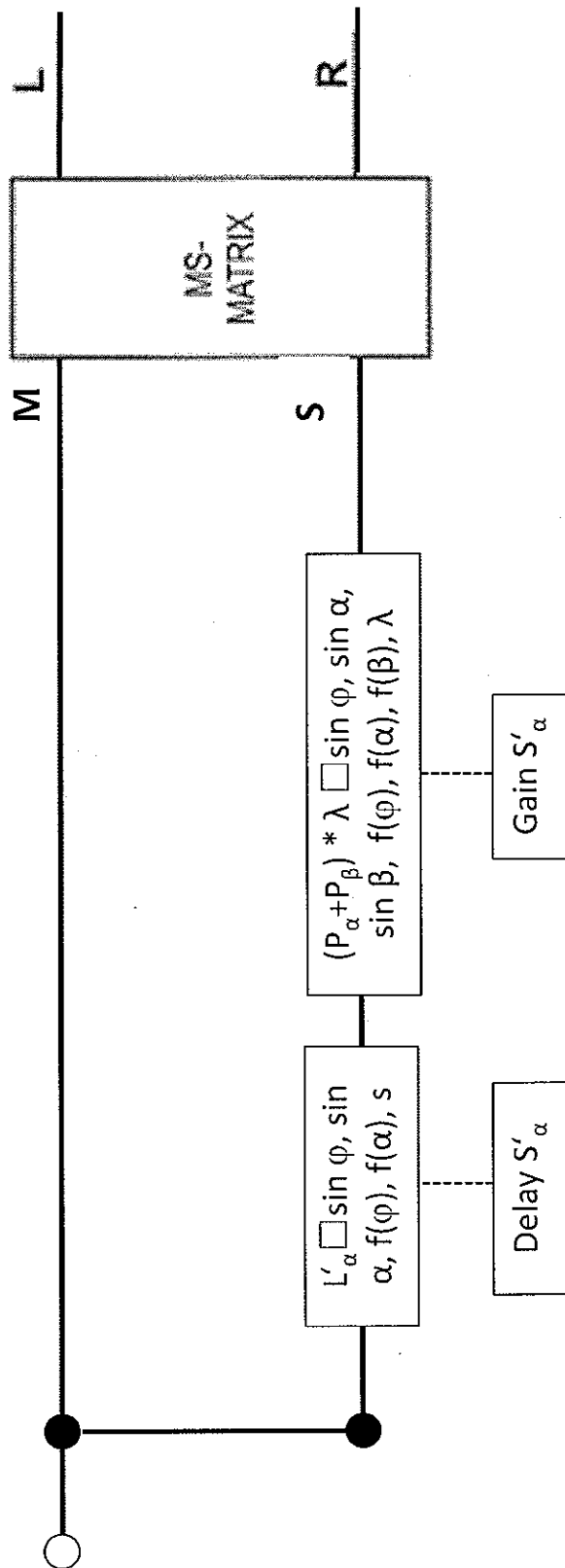


FIG. 20D

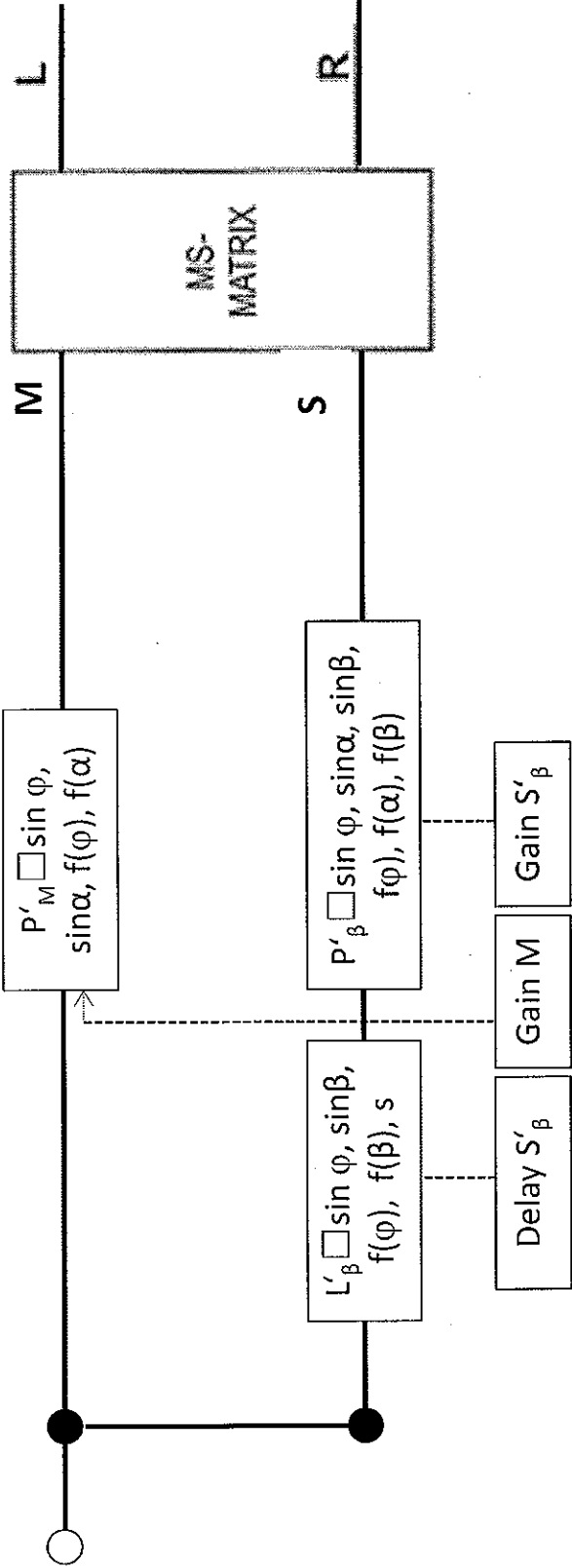


FIG. 21D

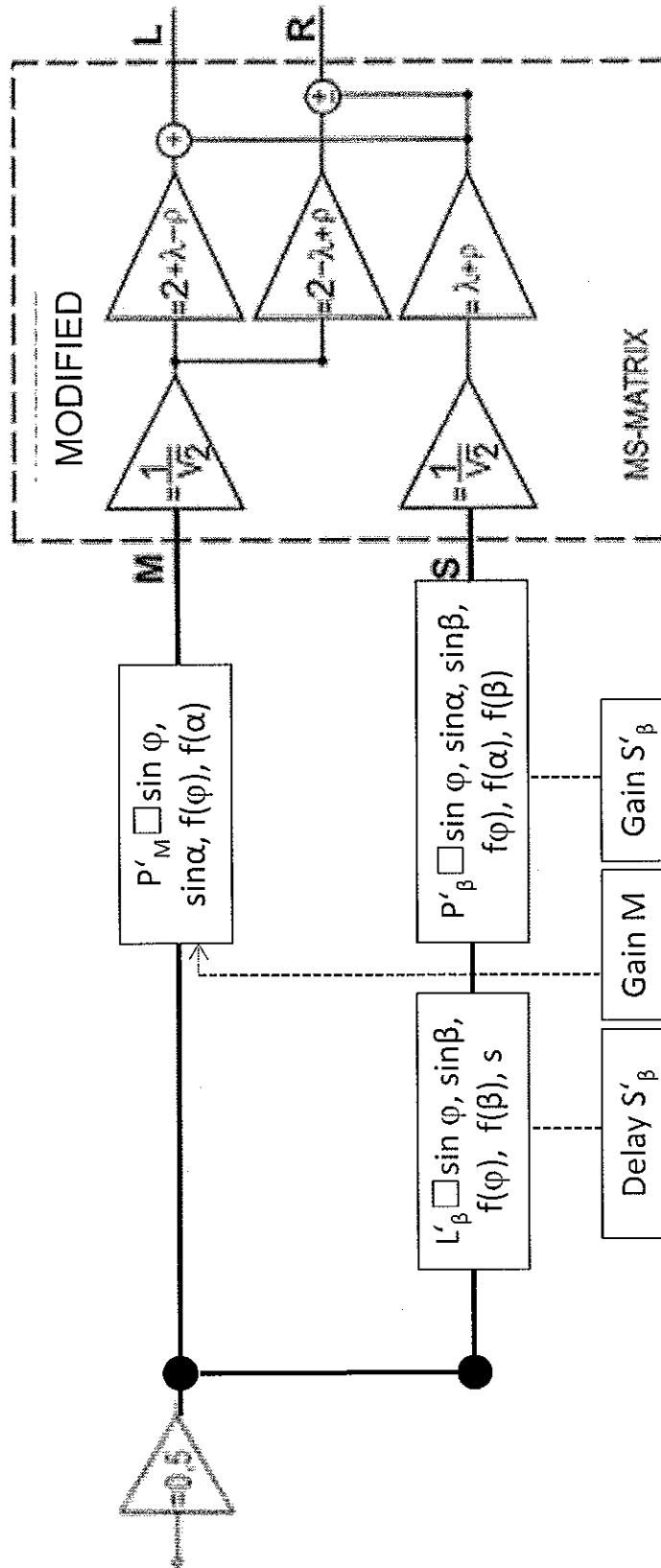


FIG. 22D

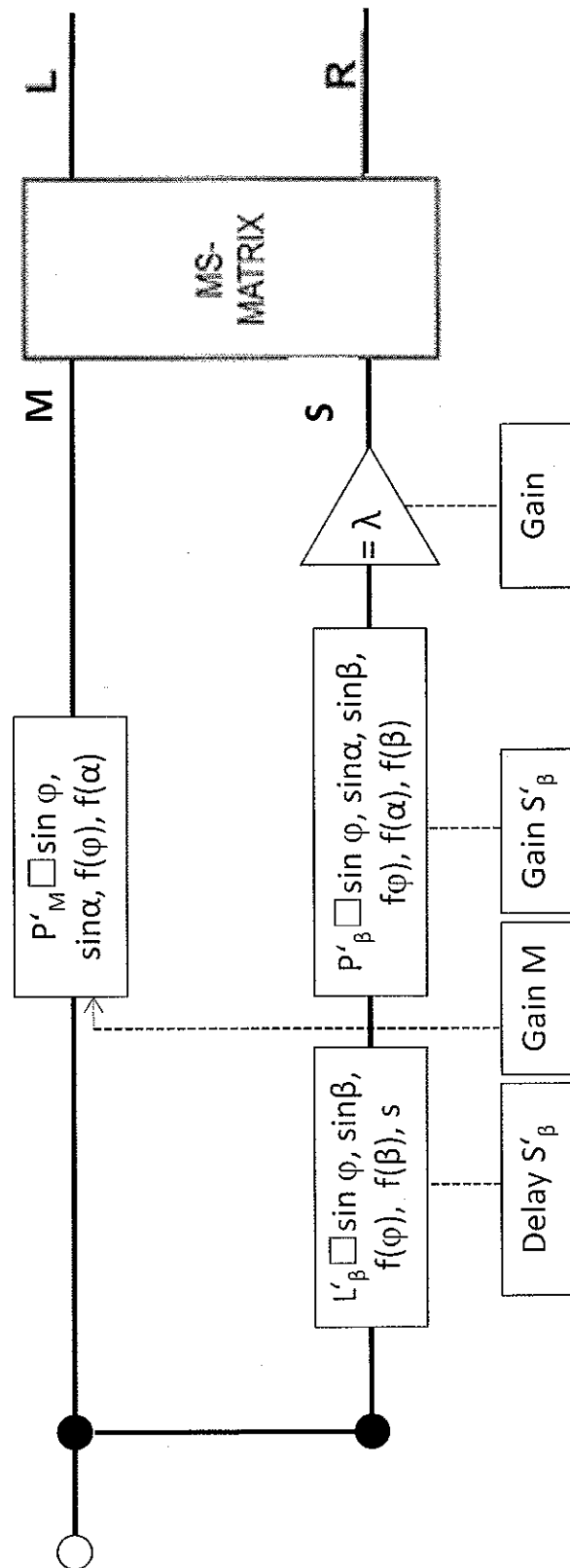


FIG. 23D

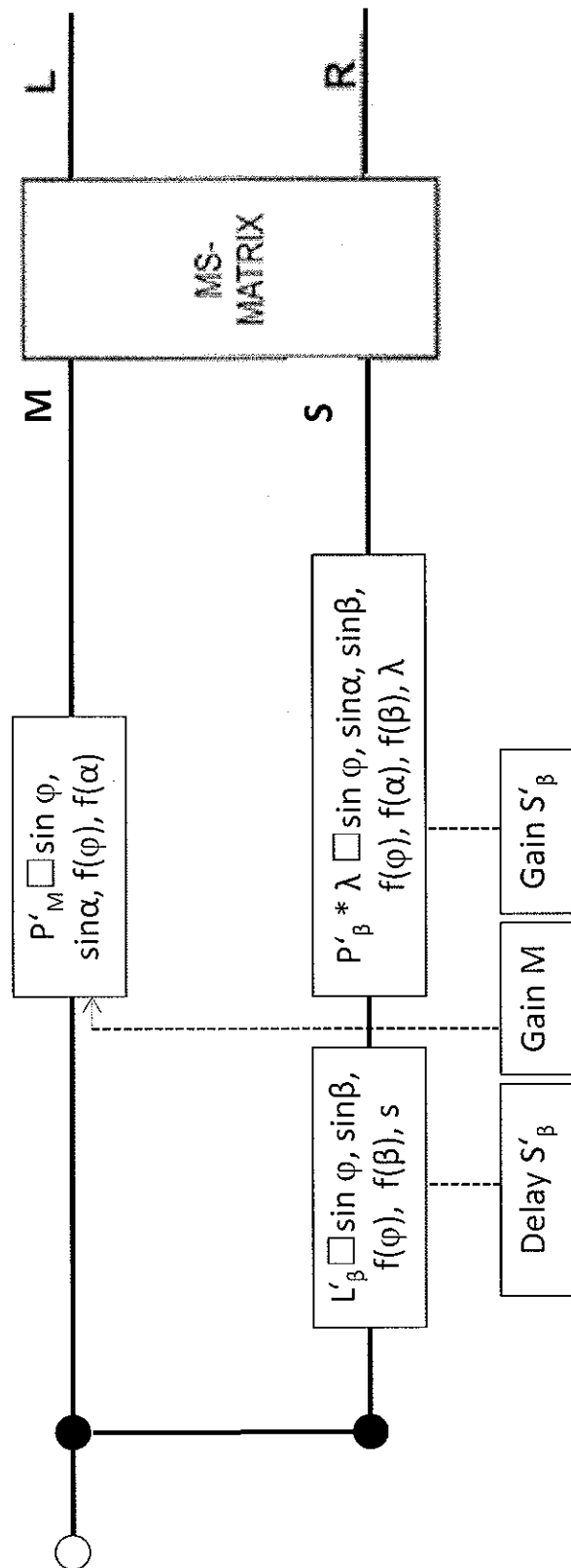


FIG. 24D

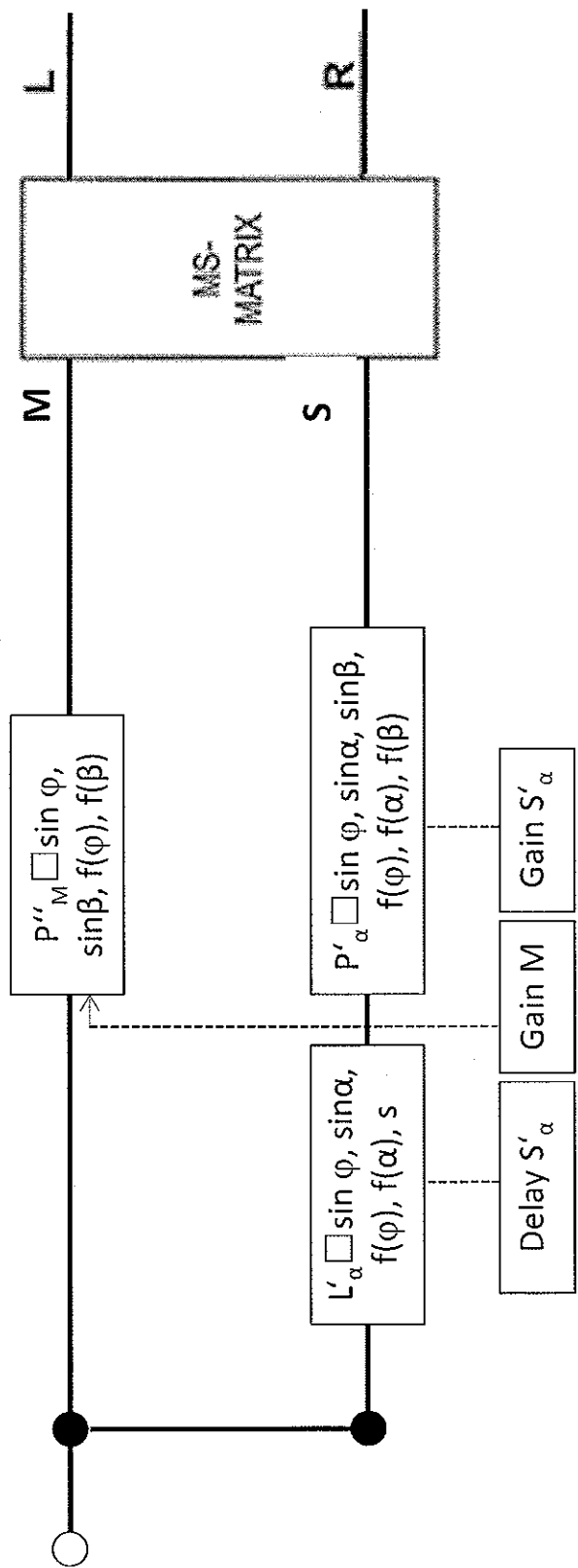


FIG. 25D

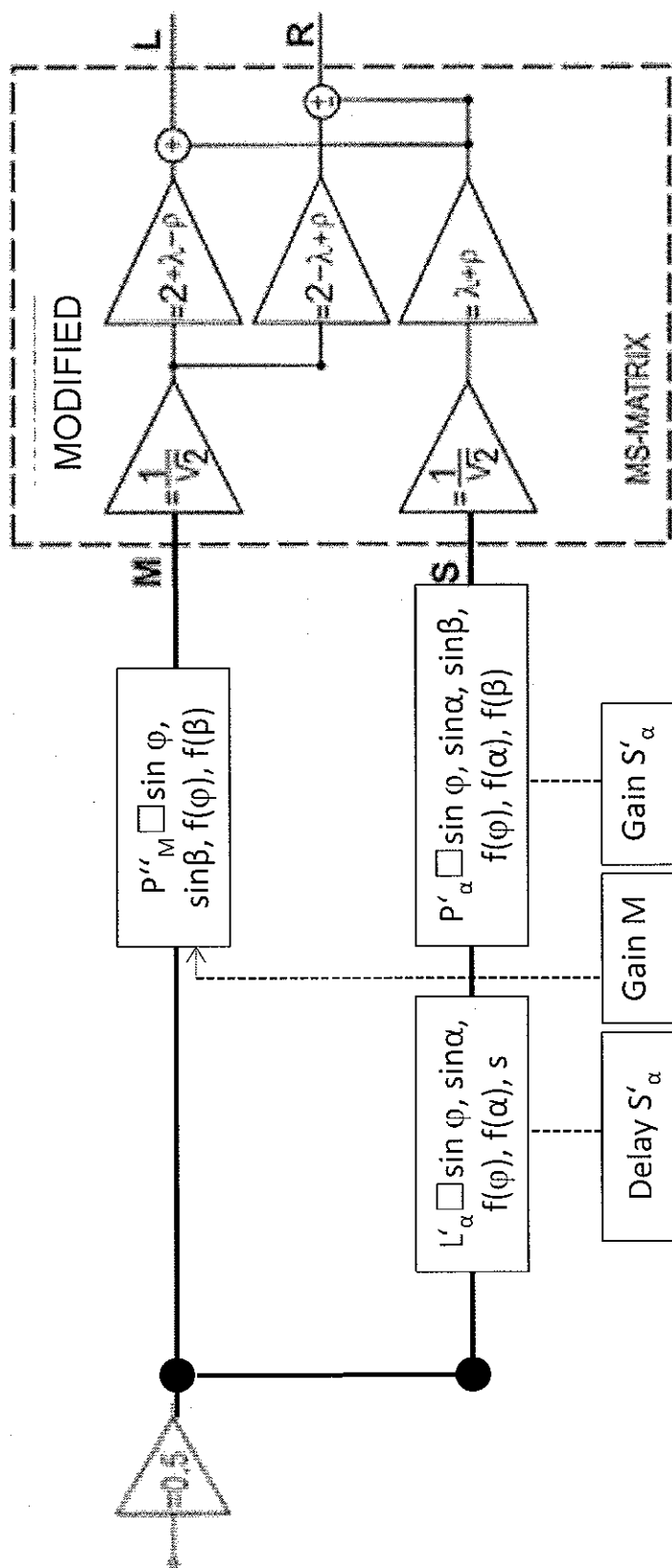


FIG. 26D

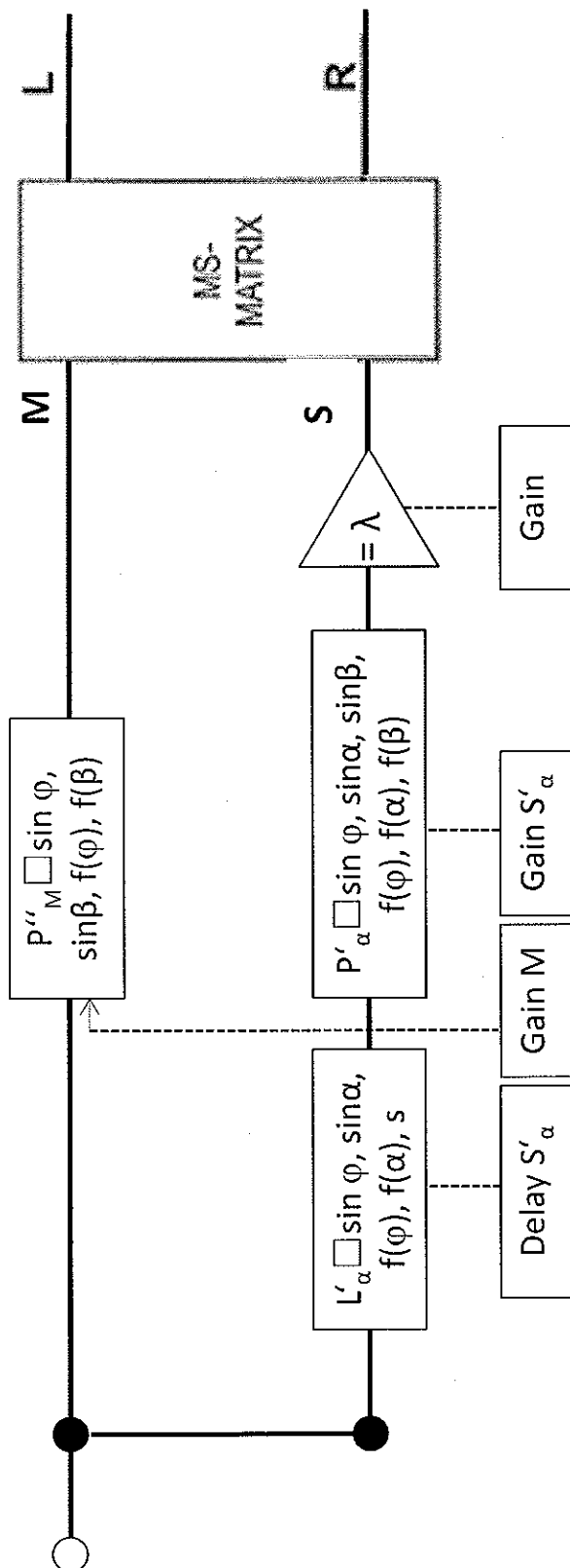


FIG. 27D

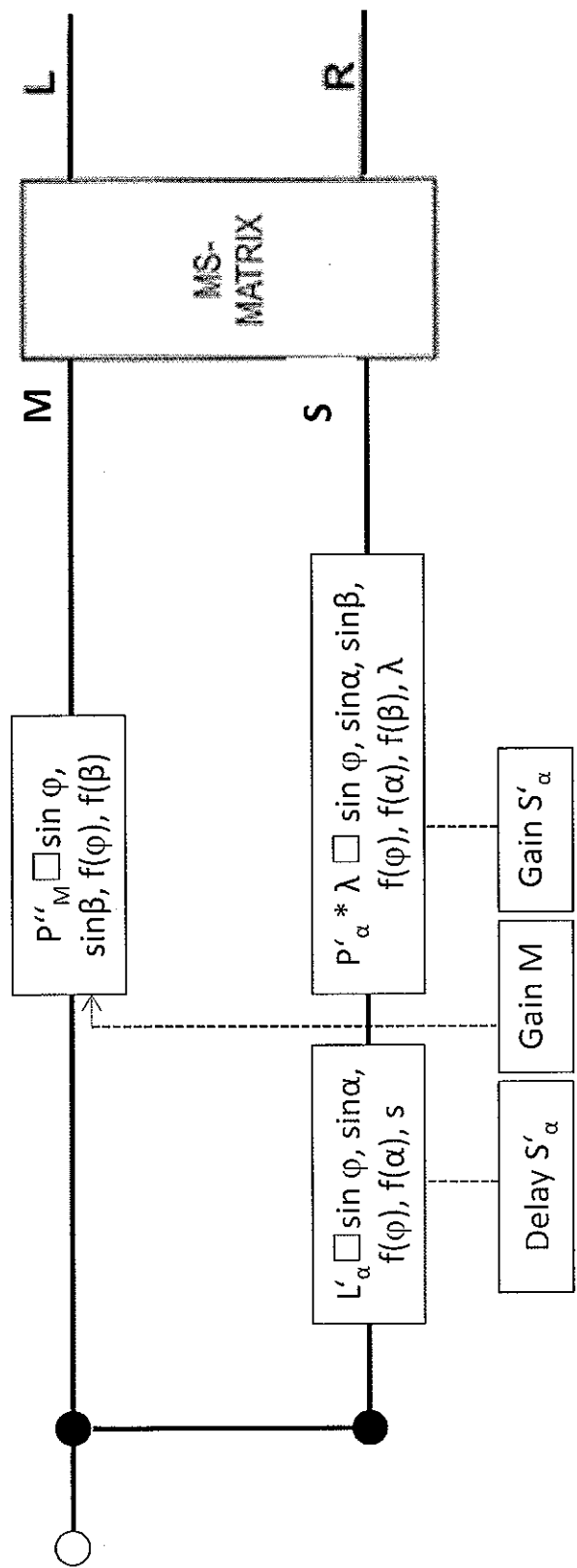


FIG. 28D

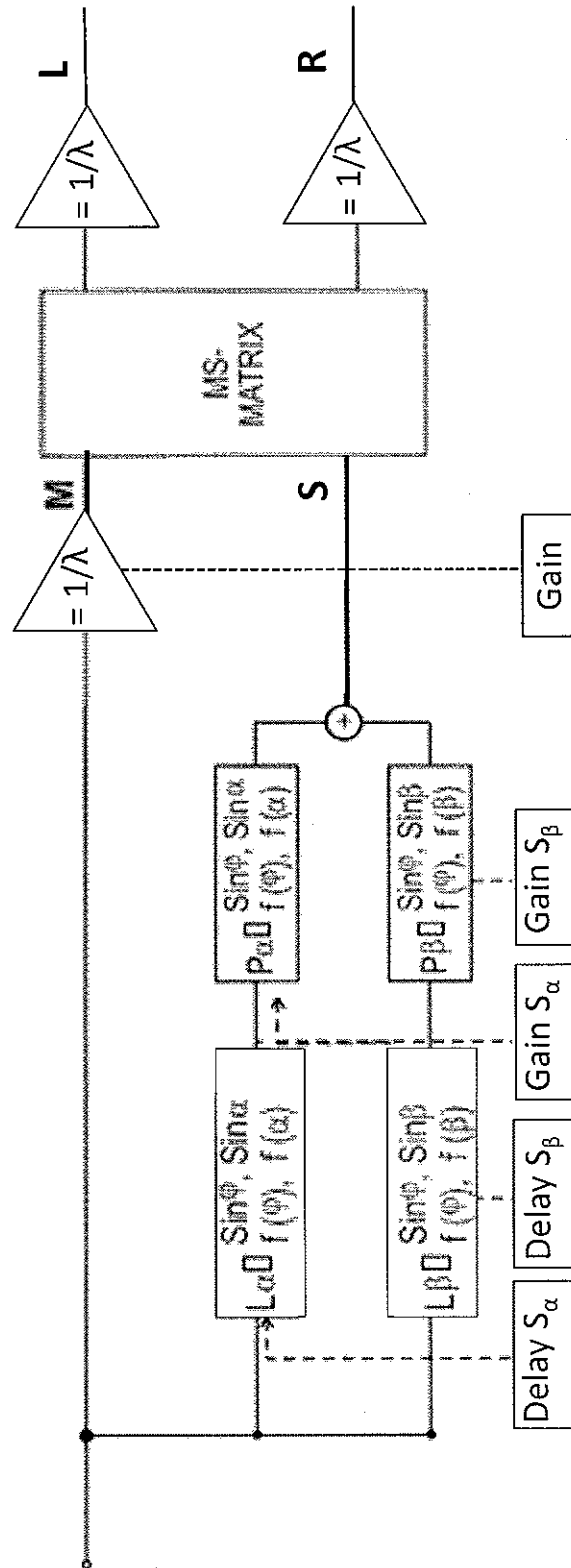


FIG. E1

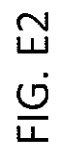
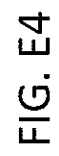


FIG. E2



FIG. E3



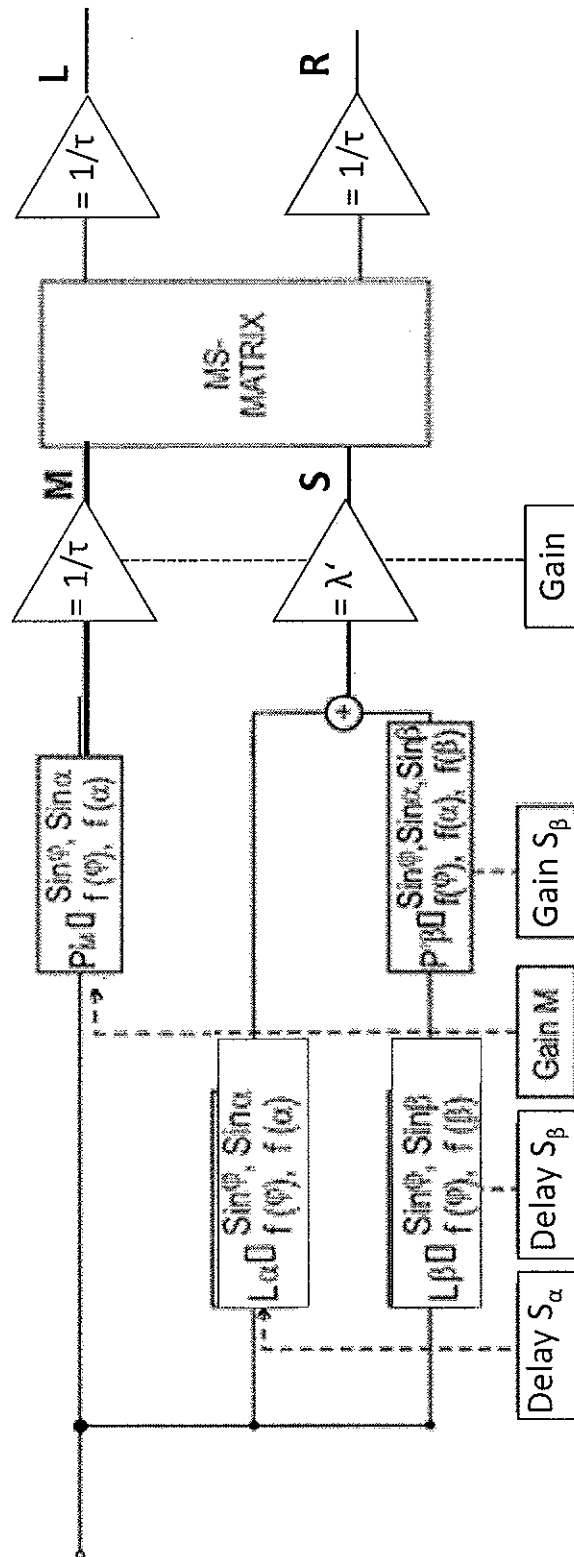


FIG. E5

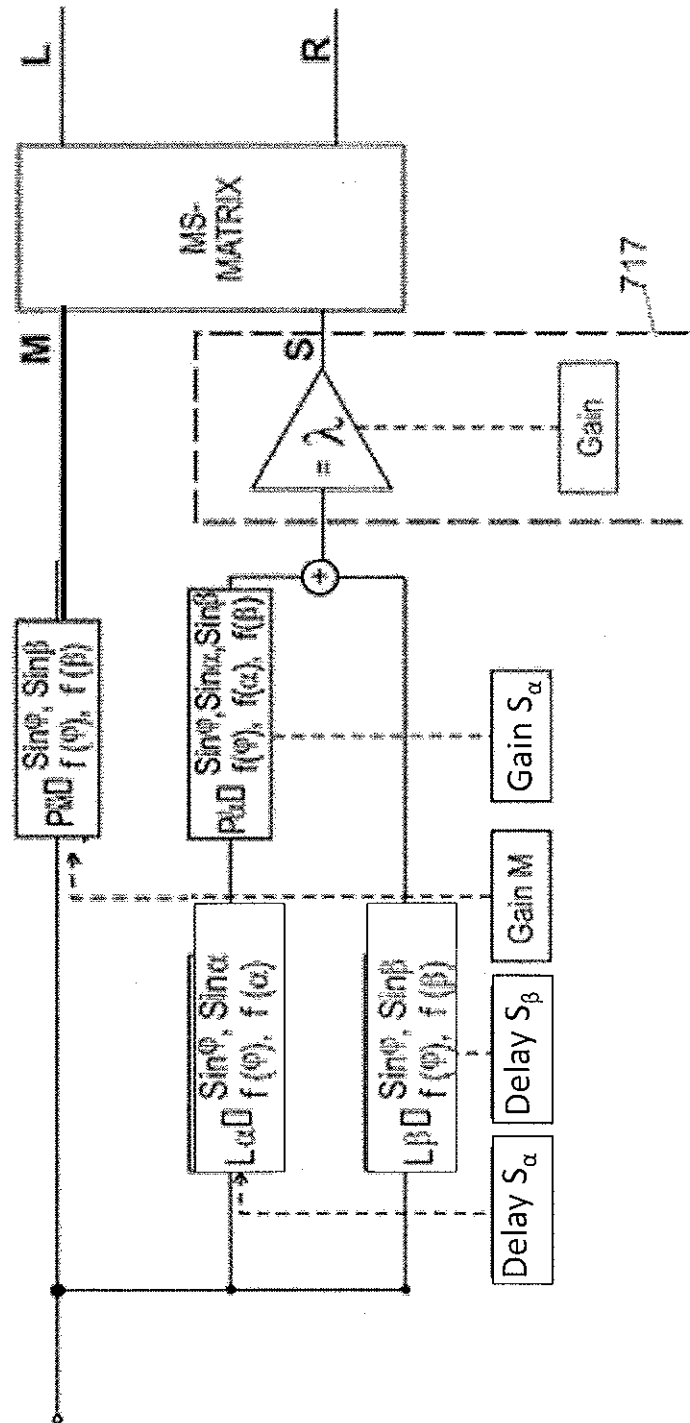


FIG. E6

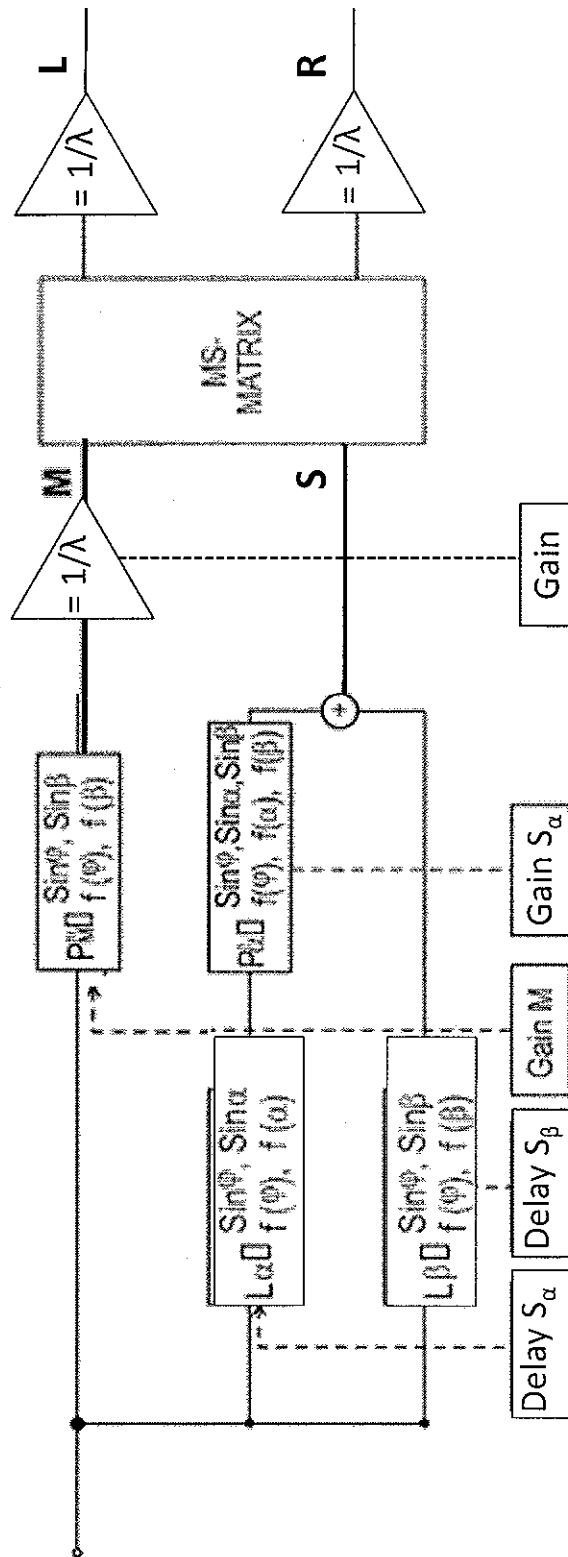


FIG. E7

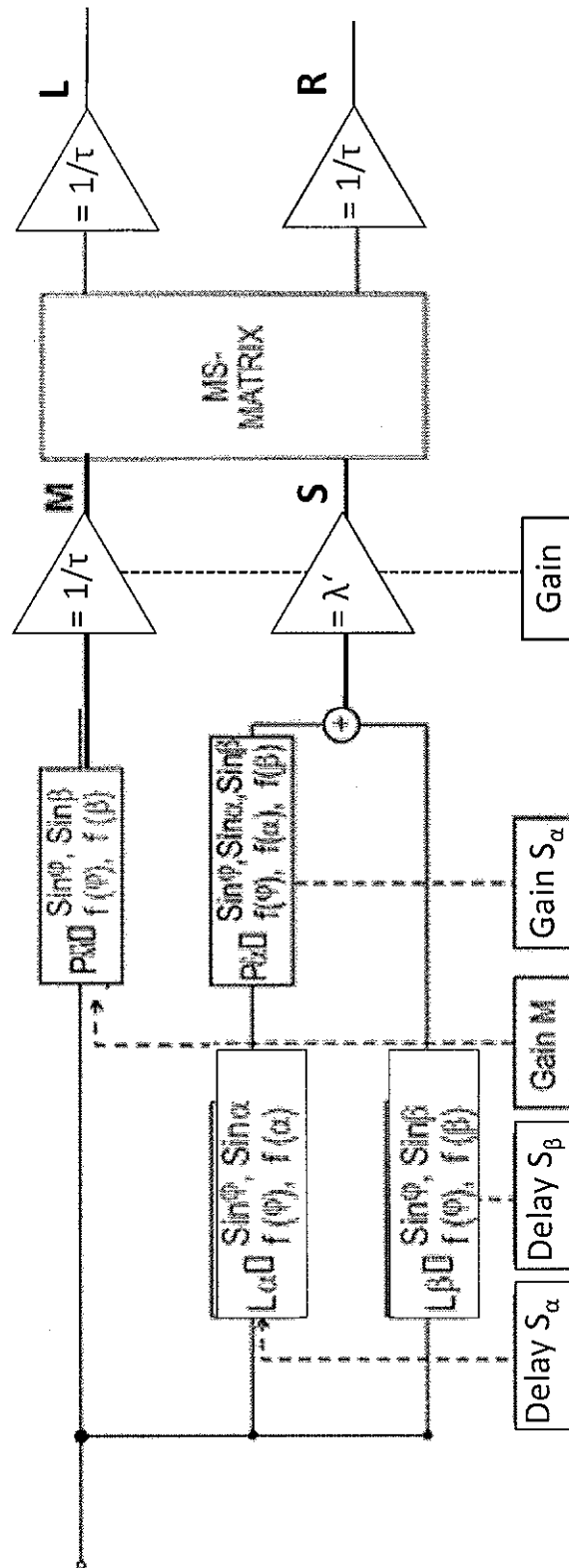


FIG. E8

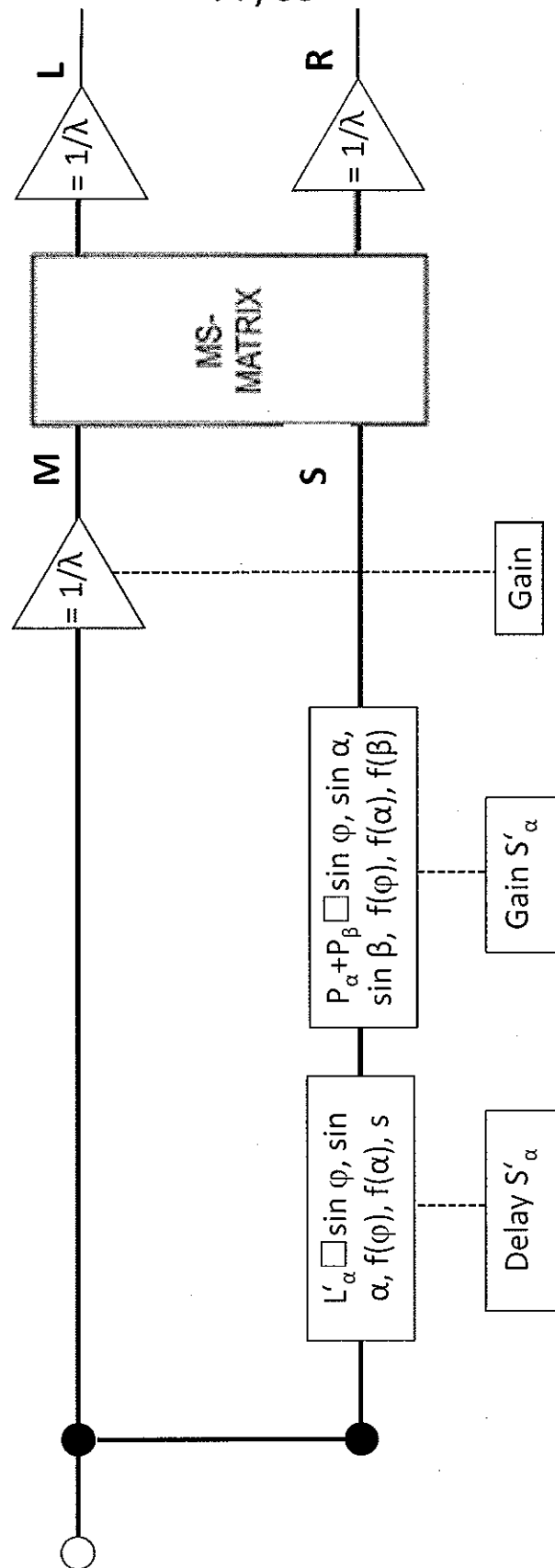


FIG. E9

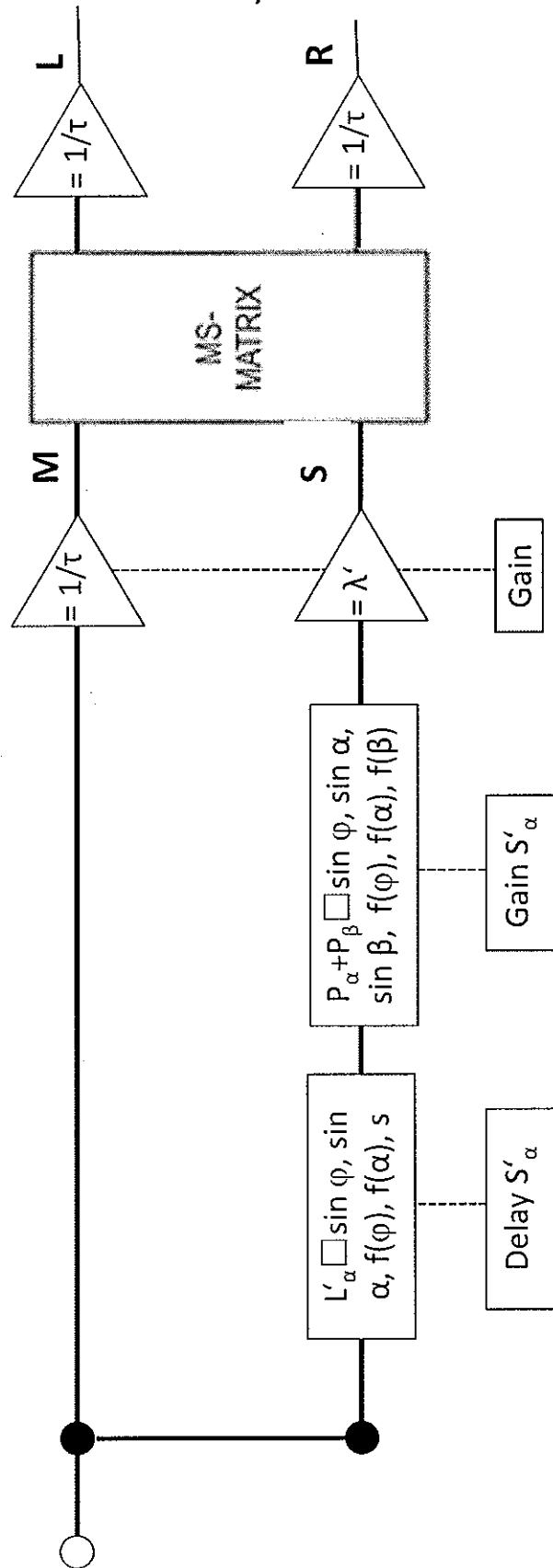


FIG. E10

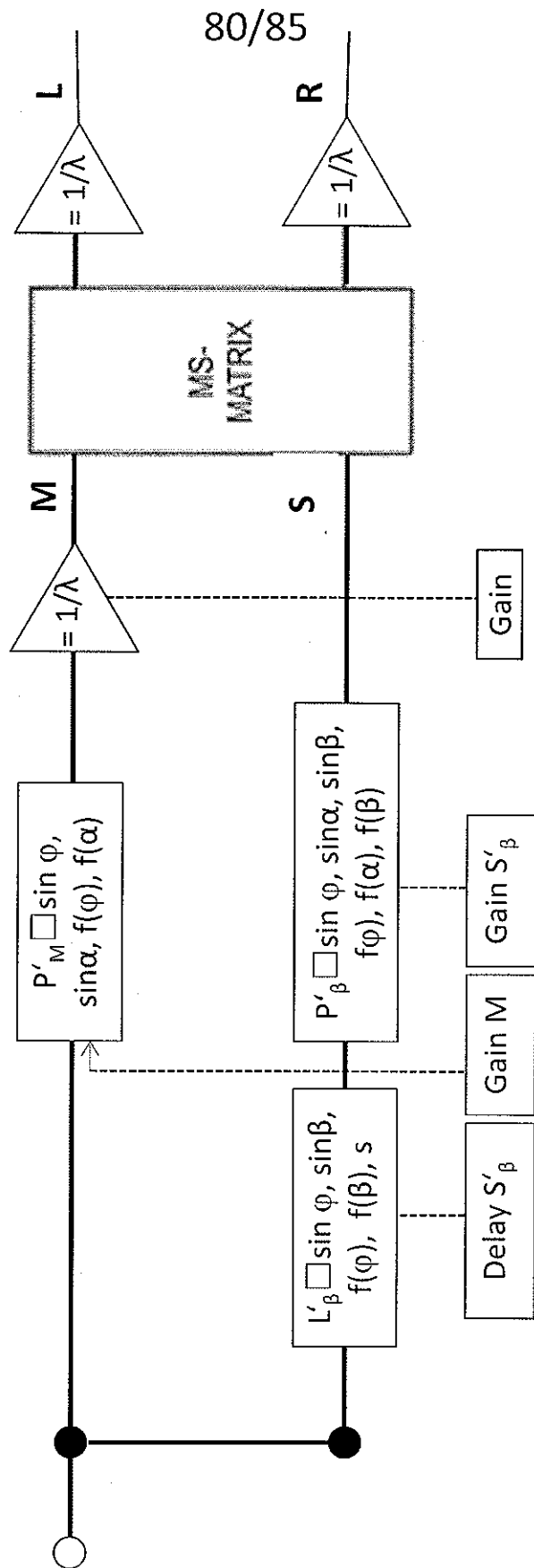


FIG. E12

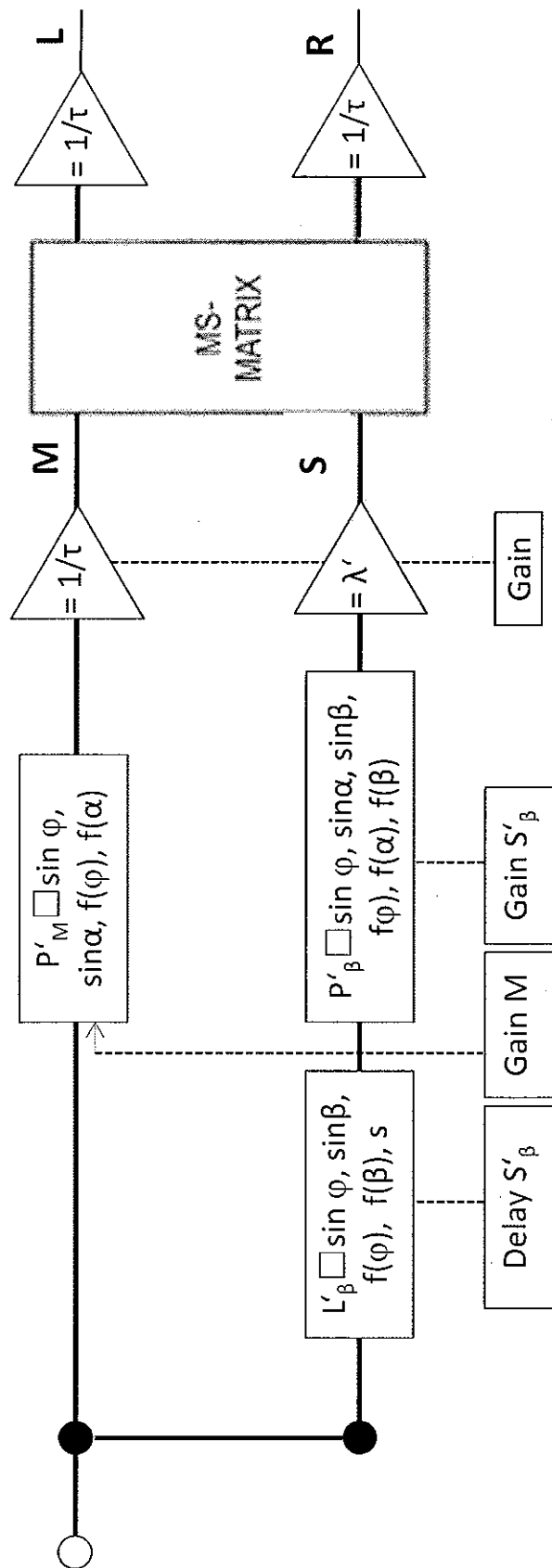


FIG. E13

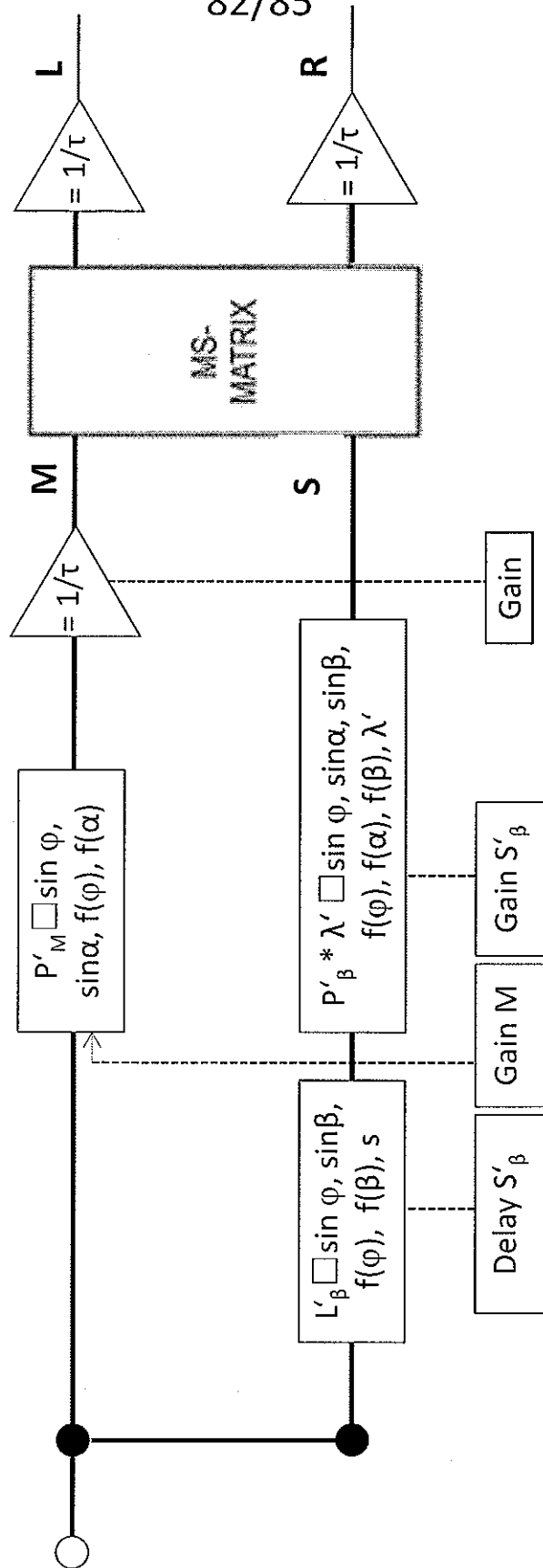
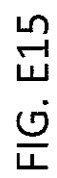


FIG. E14



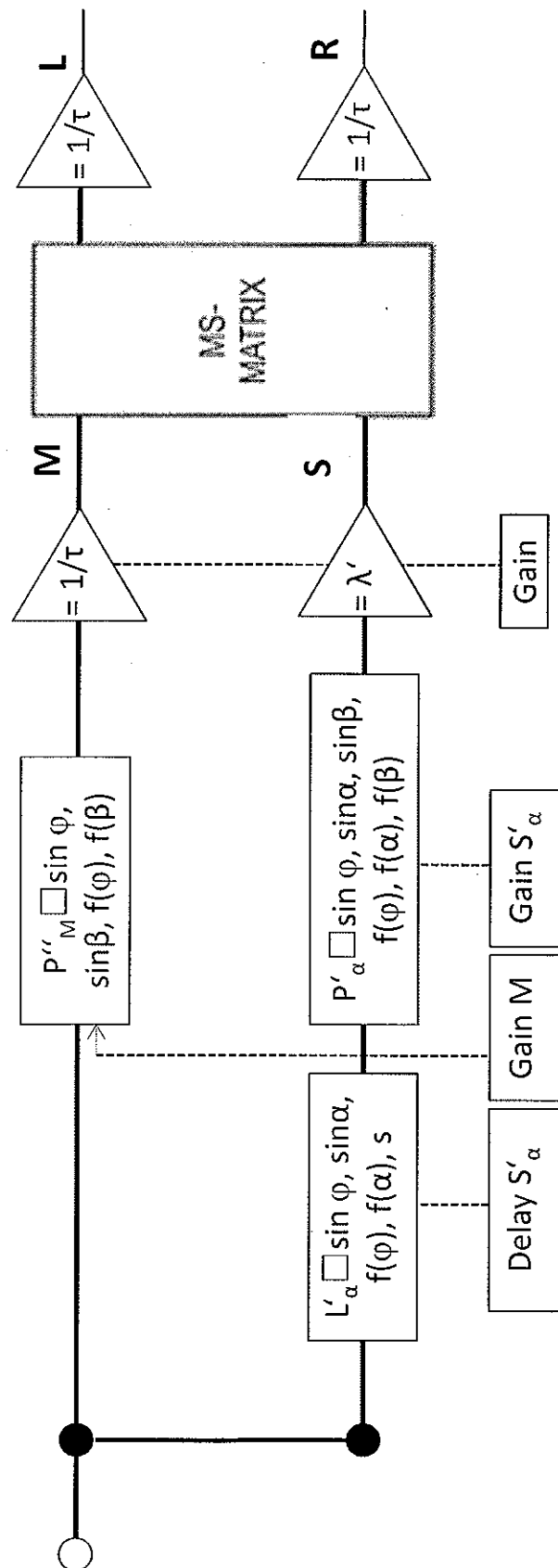


FIG. E16

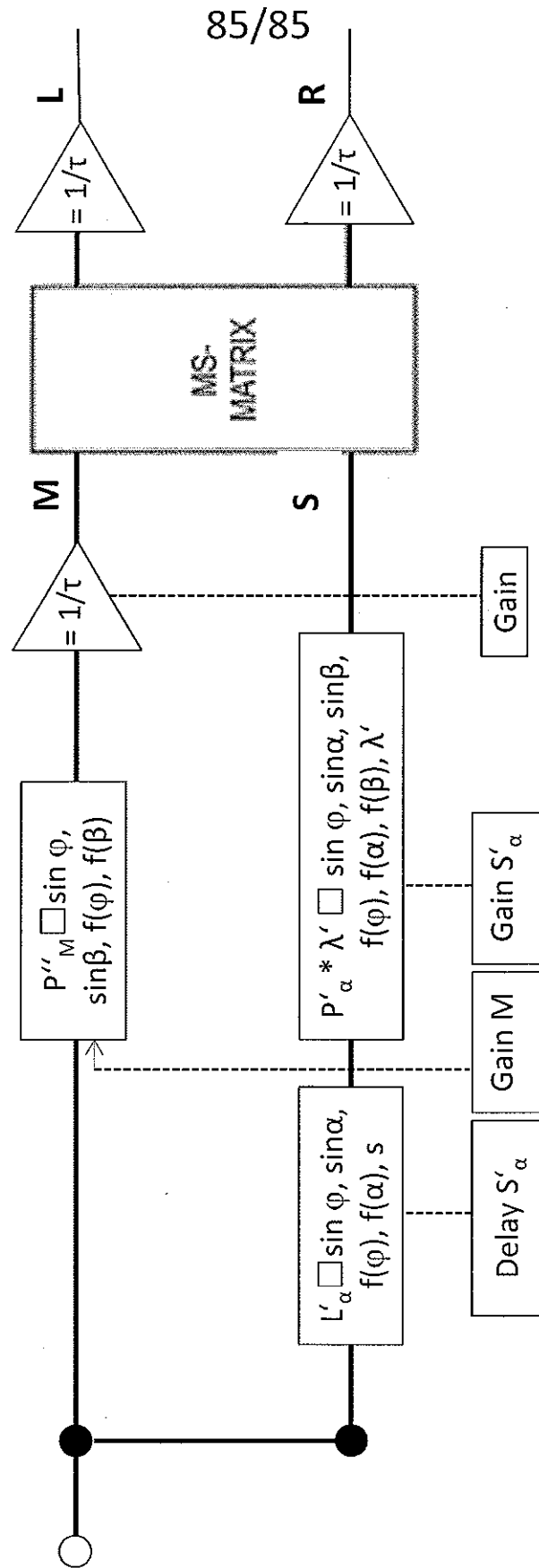


FIG. E17