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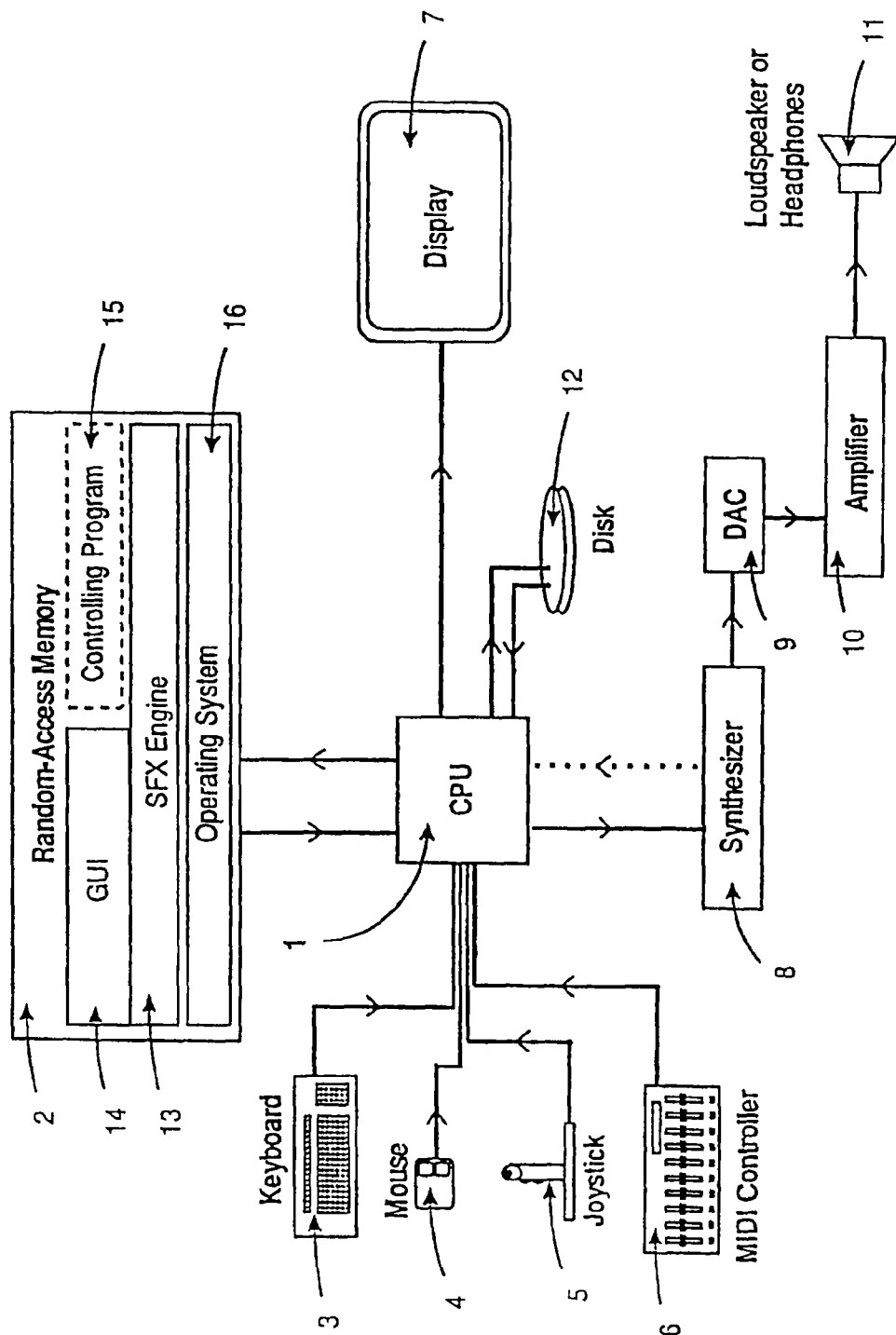


FIG. 1



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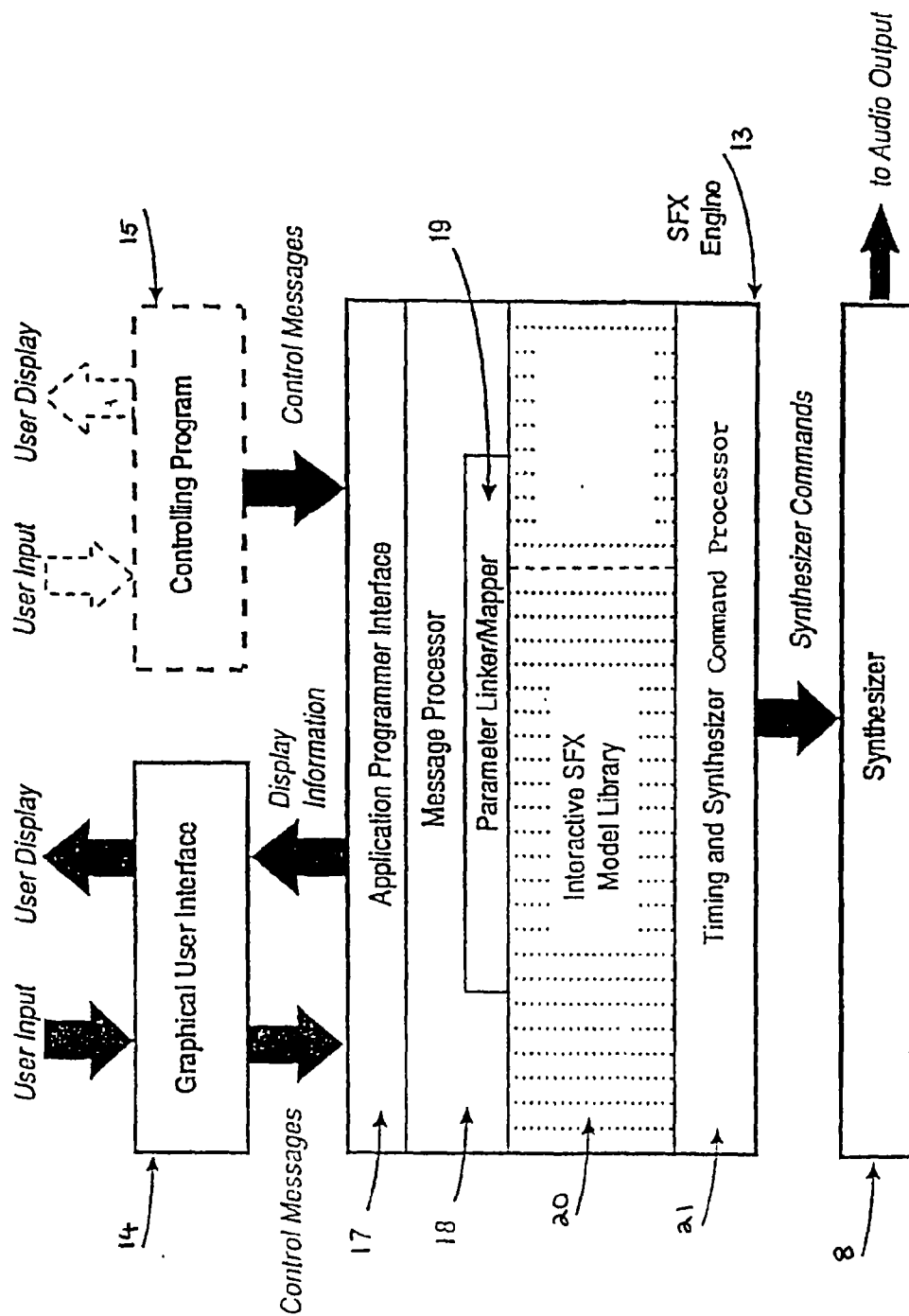


FIG. 2

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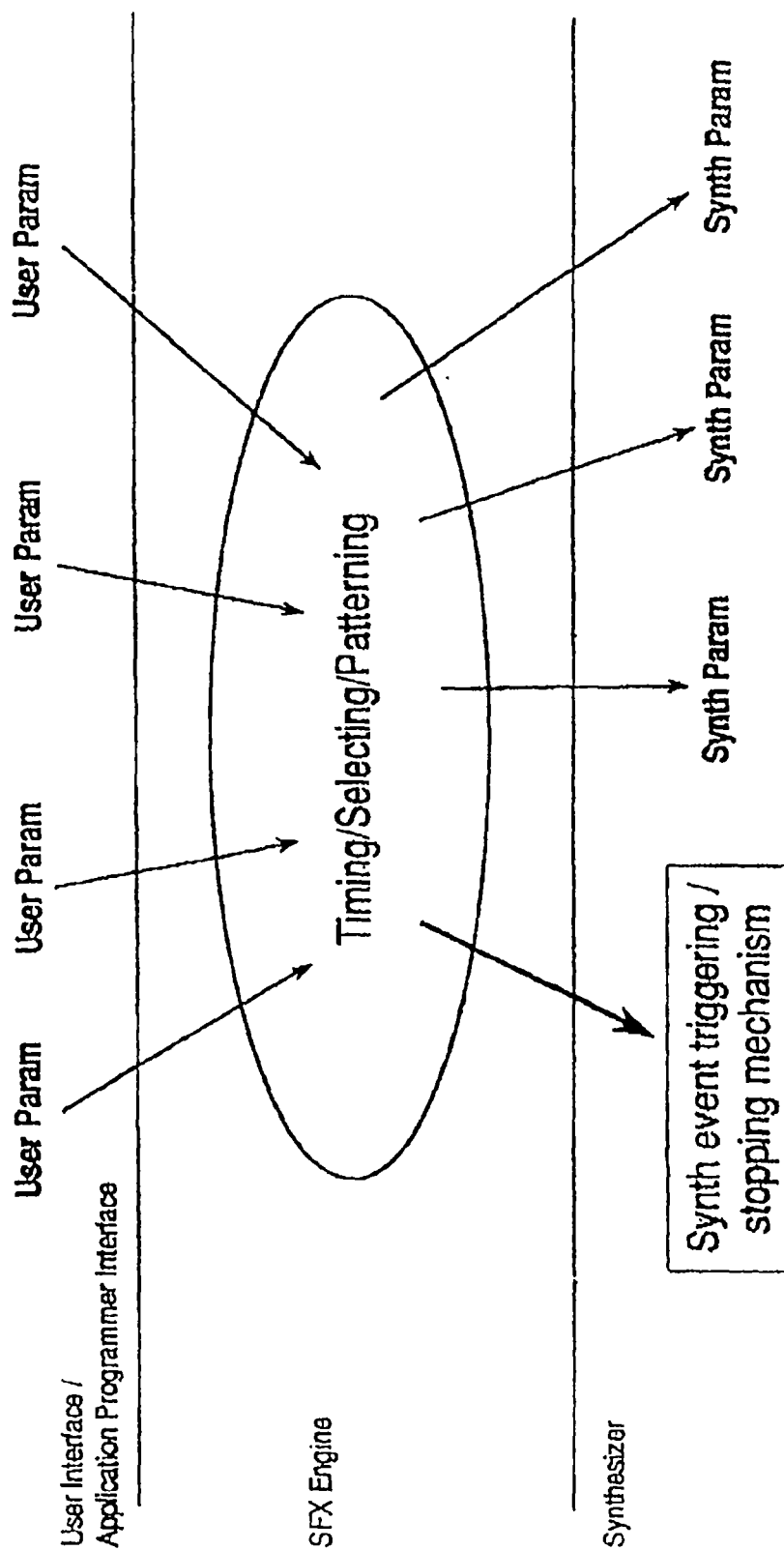


FIG. 4

Footsteps Model

User Parameters	SFX Engine Parameters			Synthesizer Parameters					
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope
Random Fluctuations	x	x	x	x		x		x	x
Location				x	x		x		
Walking Speed			x						
Walking Style			x						
Limp			x	x		x			
Stagger			x	x		x			
Weight	x			x		x			
Hardness							x	x	
Edge									x
Surface Type	x			x					

FIG. 5

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Guns Model

User Parameters	SFX Engine Parameters			Synthesizer Parameters					
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope
Random Fluctuations	x			x		x		x	
Location				x	x		x		
Rate of firing			x						
Irregularity in firing			x						
Hardness							x	x	
Edge									x
Pitch						x			
Gun type	x			x					
Shell cases	x			x					
Ricochet	x			x					

FIG. 6

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Driving Model

User Parameters	SFX Engine Parameters				Synthesizer Parameters				
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope
Random Fluctuations		x							
Break Pedal	x		x	x		x			x
Clutch Pedal	x		x	x		x			x
Gas Pedal	x		x	x		x			x
Location				x	x		x		x

FIG. 7

Applause Model

User Parameters	SFX Engine Parameters				Synthesizer Parameters				
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope
Random Fluctuations	x								
Number of clappers		x							
Clapper Enthusiasm			x	x					
Clapper Hand Size						x	x	x	
Location				x	x		x		x

FIG. 8

Stream Model

User Parameters	SFX Engine Parameters				Synthesizer Parameters				
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope
Random Fluctuations		x							
Stream Size	x		x	x		x	x	x	
Location				x	x		x		x

FIG. 9

Machine Drone Models

User Parameters	SFX Engine Parameters				Synthesizer Parameters				
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope
Random Fluctuations	x	x							
Location				x	x		x		
Brightness						x	x		
Tone			x			x	x	x	
Flutter				x		x		x	

FIG. 10

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Canned Laughter Model

User Parameters	SFX Engine Parameters				Synthesizer Parameters					
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope	
Random Fluctuations	x	x	x							
Location				x	x		x			
Density	x		x							
Density Variation	x		x							
Spontaneity	x		x							
Enthusiasm	x		x	x		x				
Tail-Off			x							
Tone							x	x		
Gender Ratio	x					x				

FIG. 11

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Crowd Cheering Model

User Parameters	SFX Engine Parameters			Synthesizer Parameters					
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope
Random Fluctuations	x	x	x						
Location				x	x		x		
Density	x		x						
Density Variation	x		x						
Spontaneity	x		x						
Enthusiasm	x		x	x		x			
Tail-Off			x						
Tone							x	x	
Gender Ratio	x					x			

FIG. 12

Wind Sound Model

User Parameters	SFX Engine Parameters			Synthesizer Parameters					
	Event Selection	Event Patterning	Event Timing	Volume	Pan	Pitch	Filter Cutoff	Filter Q	Amplitude Envelope
Random Fluctuations				x		x	x	x	
Location				x	x		x		
Wind Strength	x			x		x	x	x	
Gustiness				x		x	x	x	
Width of Variation				x		x	x	x	

FIG. 13