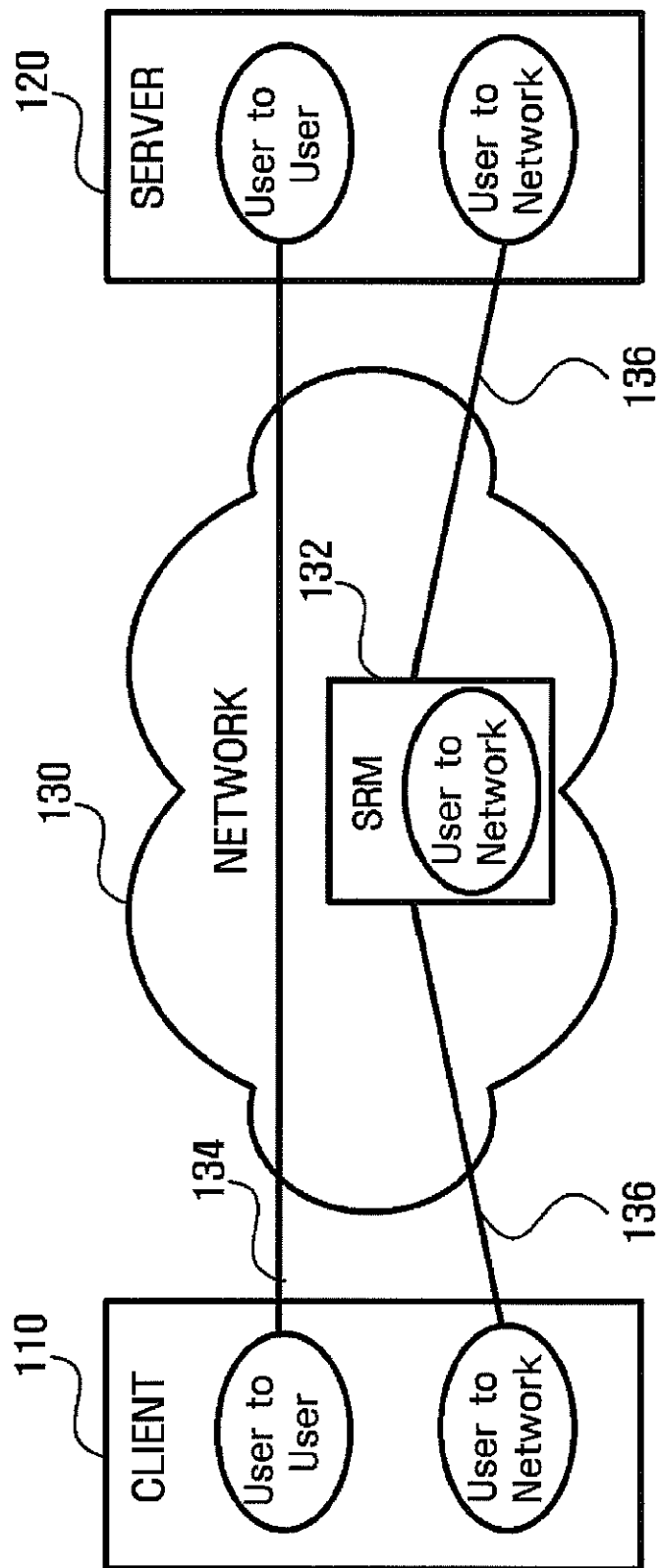
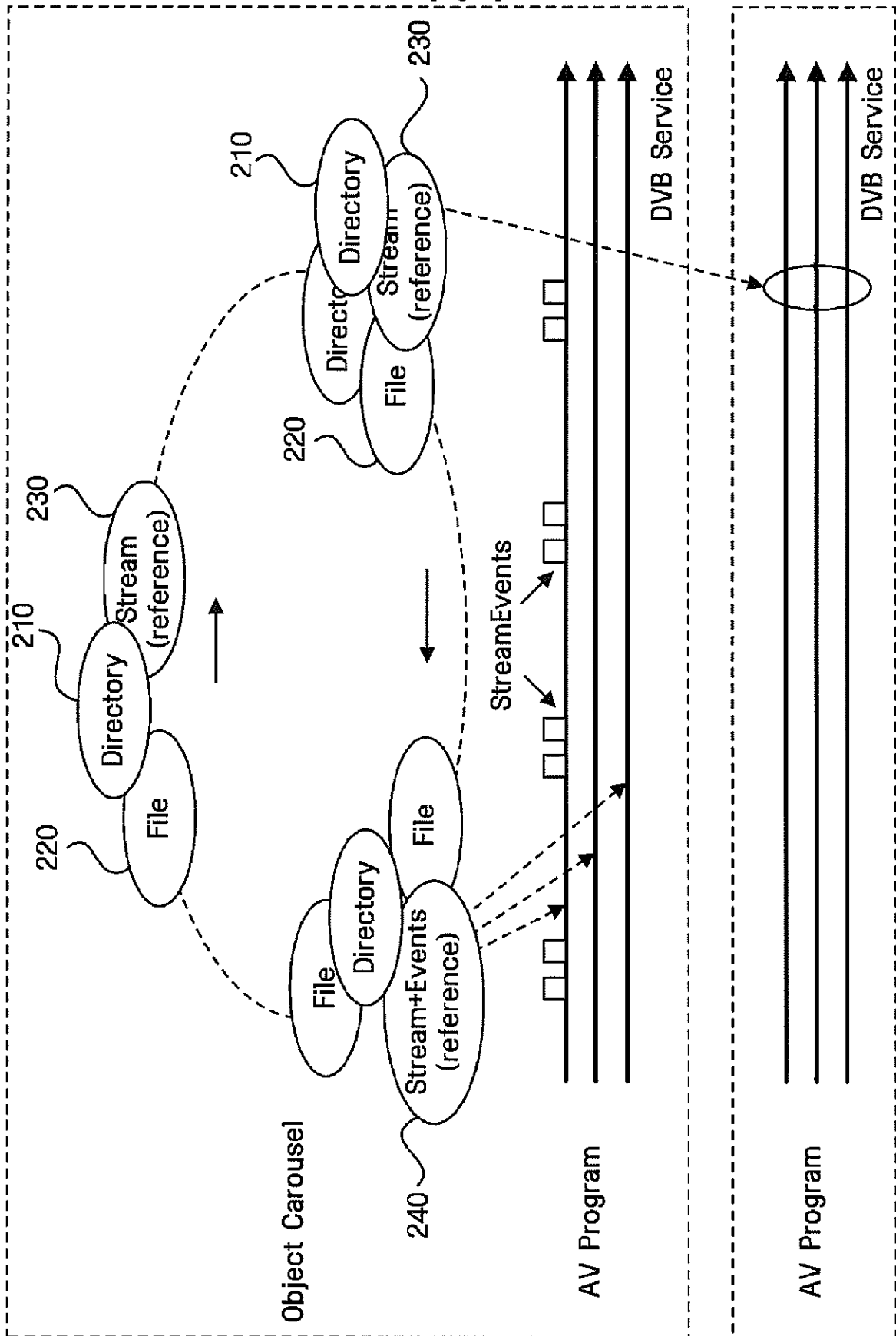
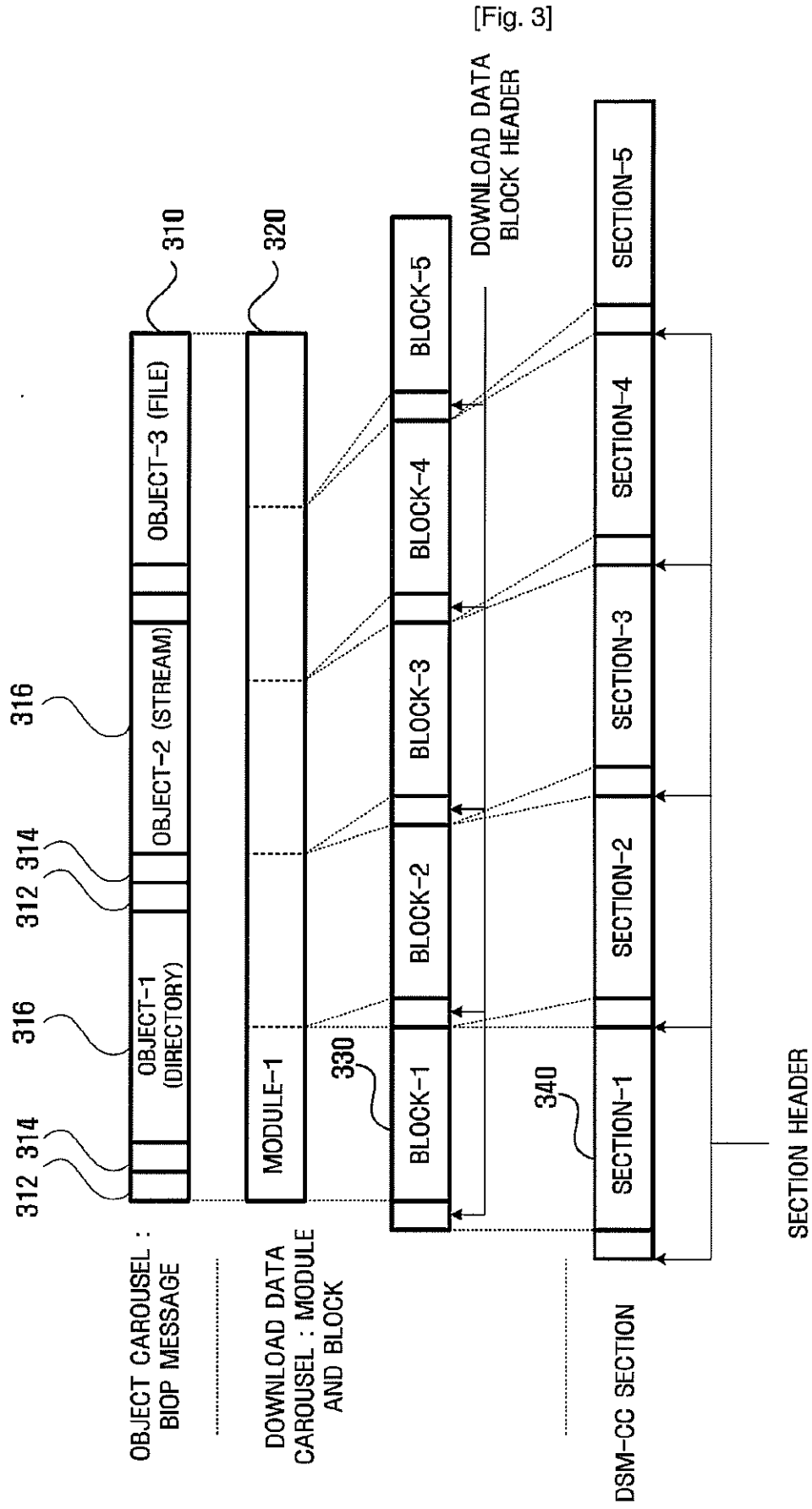


[Fig. 1]



[Fig. 2]





[Fig. 4]

Syntax	Bits	Type	Value	Comment
ServiceGatewayInfo() { IOP::IOR()				
downloadTaps_count	8	uimbsf	N1	software download Taps
for (i=0 ; i < N1 ; i++) { Tap() }				
Tap()	8	uimbsf	+	
serviceContextList_count	8	uimbsf	N2	serviceContextList
for (i=0 ; i < N2 ; i++) { serviceContextList_data_byte }				
serviceContextList_data_byte	8	uimbsf	+	
userInfoLength	16	uimbsf	N3	user info
for (i=0 ; i < N3 ; i++) { userInfo_data_byte }				
userInfo_data_byte	8	uimbsf	+	

410

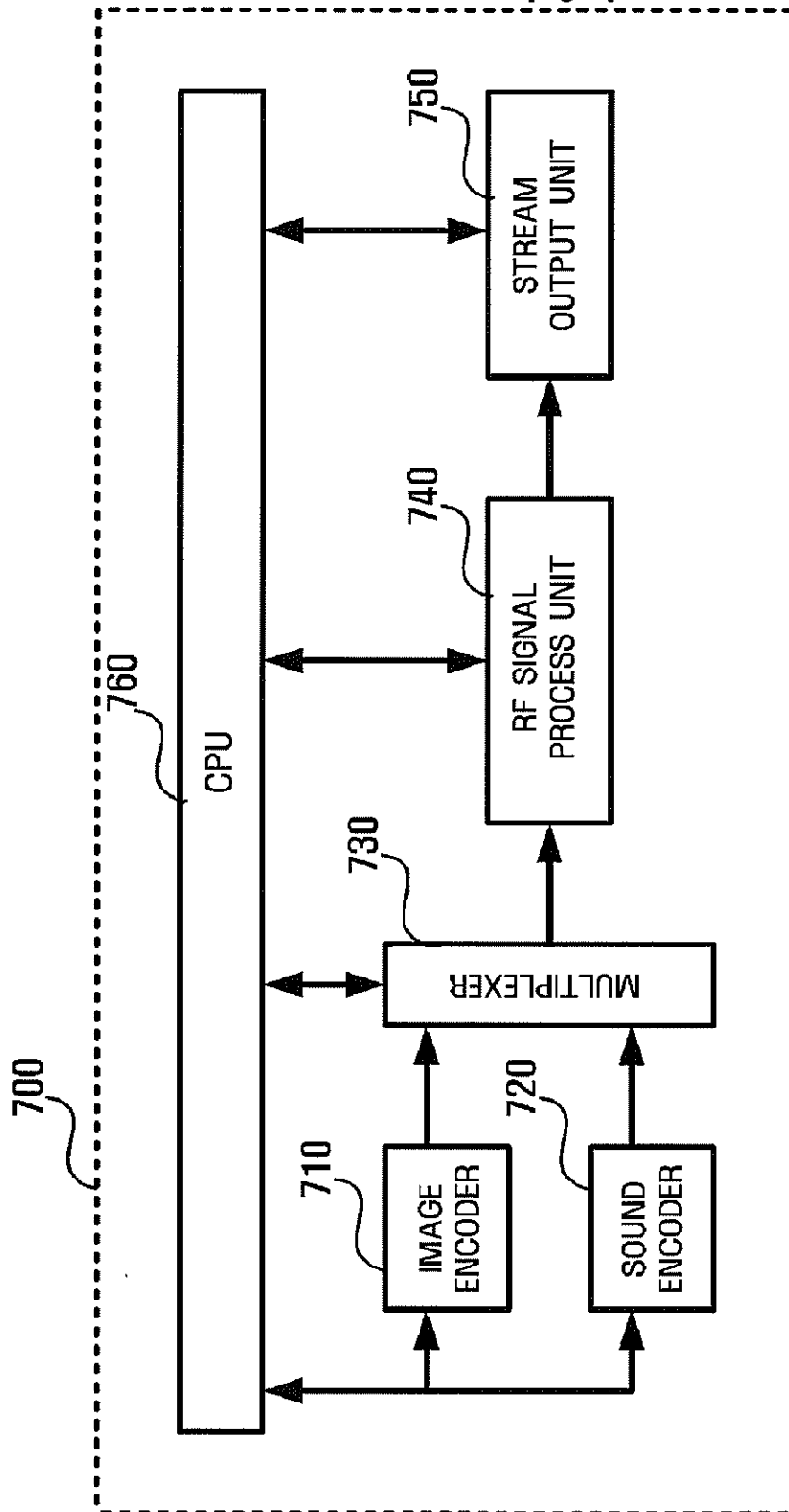
[Fig. 5]

	Syntax	bits	Type	Value	Comment
	BIOP::DirectoryMessage() {				
	magic	4x8	uimsbf	0x42494F50	"BIOP"
	biop_version.major	8	uimsbf	0x01	BIOP major version 1
	biop_version.minor	8	uimsbf	0x00	BIOP minor version 0
	byte_order	8	uimsbf	0x00	big endian byte ordering
	message_type	8	uimsbf	0x00	
	message_size	32	uimsbf	*	
	objectKey_length	8	uimsbf	N1	
	for (i = 0; i < N1; i++) {				
	objectKey_data_byte	8	uimsbf	+	
	}				
	objectKind_length	32	uimsbf	0x00000004	
540	objectKind_data	4x8	uimsbf	0x64697200	"dir" type_id alias
	objectInfo_length	16	uimsbf	N2	objectInfo
	for (i = 0; i < N2; i++) {				
	objectInfo_data_byte	8	uimsbf	+	
	}				
	serviceContextList_count	8	uimsbf	N3	serviceContextList
	for (i = 0; i < N3; i++) {				
530	serviceContextList_data_byte	8	uimsbf	+	
	}				
	messageBody_length	32	uimsbf	*	
	bindings_count	16	uimsbf	N4	
	for (i = 0; i < N4; i++) {				Binding
	BIOP: Name(){				
	nameComponents_count	8	uimsbf	N5	
	for (i = 0; i < N5; i++) {				
	id_length	8	uimsbf	N6	NameComponent id
	for (j = 0; j < N6; j++) {				
520	id_data_byte	8	uimsbf	+	
	}				
	kind_length	8	uimsbf	N7	NameComponent kind
	for (j = 0; j < N7; j++) {				
	kind_data_byte	8	uimsbf	+	as type_id
	}				
	}				
	bindingType	8	uimsbf	+	0x01 for nobject 0x02 for ncontext
510	IOP::IOR()			+	objectRef
	objectInfo_length	16	uimsbf	N8	
	for (j = 0; j < N8; j++)	8	uimsbf	+	
	{ objectInfo_data_byte				
	}				
	}				
	}				

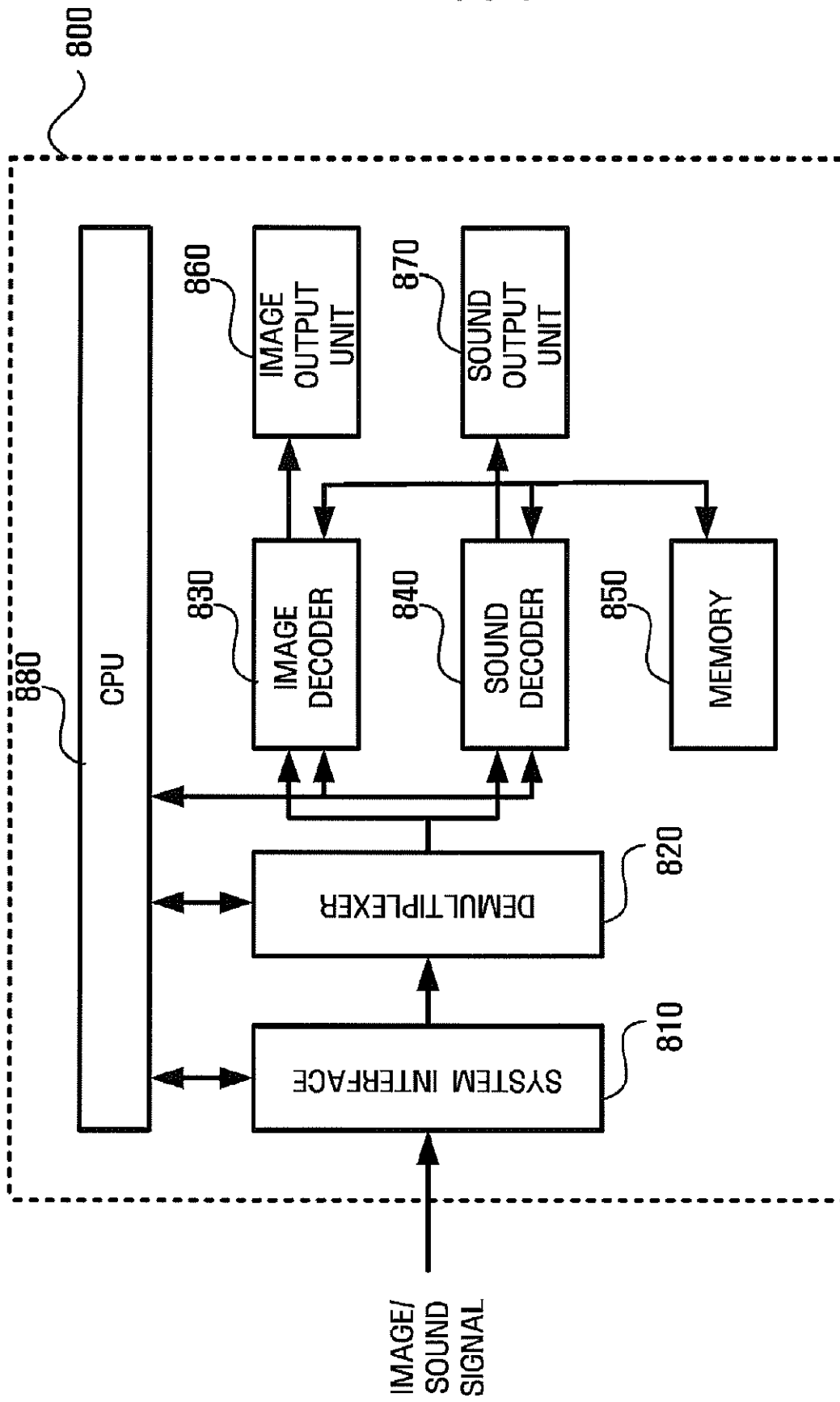
[Fig. 6]

Syntax	Bits	Type	Value	Comment
BIOP::FileMessage() {				
Magic	4X8	uimsbf	0X42494F50	"BIOP"
biop_version.major	8	uimsbf	0X01	BIOP major version 1
biop_version.minor	8	uimsbf	0X00	BIOP minor version 0
byte_order	8	uimsbf	0X00	big endian byte ordering
message_type	8	uimsbf	0X00	
message_size	32	uimsbf	*	
objectKey_length	8	uimsbf	N1	
for (i=0 ; i < N1 ; i++) {				
objectKey_data_byte	8	uimsbf	+	
}				
objectKind_length	32	uimsbf	0X00000004	
objectKind_data	4X8	uimsbf	0X66696C00	"fil" type_id alias
objectInfo_length	16	uimsbf	N2	
DSM::File::ContentSize	64	uimsbf	+	objectInfo
for (i=0 ; i < N2-8 ; i++) {				
objectInfo_data_byte	8	uimsbf	+	
}				
serviceContextList_count	8	uimsbf	N3	serviceContextList
for (i=0 ; i < N3 ; i++) {				
serviceContextList_data_byte	8	uimsbf	+	
}				
messageBody_length	32	uimsbf	*	
content_length	32	uimsbf	N4	
for (i=0 ; i < N4 ; i++) {				
content_data_byte	8	uimsbf	+	actual file content
}				
}				

[Fig. 7]



[Fig. 8]



[Fig. 9]

