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Learning L. R. Cabruda, M. R. K.

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Appl. No.: 82,654

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Assignee: AT&T Corp., Murray Hill, N.J.

U.S. Cl. **370/68.1**; 370/110.1

370/110.1, 58.1, 58.2, 58.3, 68.1; 379/220,

229, 230, 240, 165, 350, 352; 395/200.02,

Jun. 25, 1993

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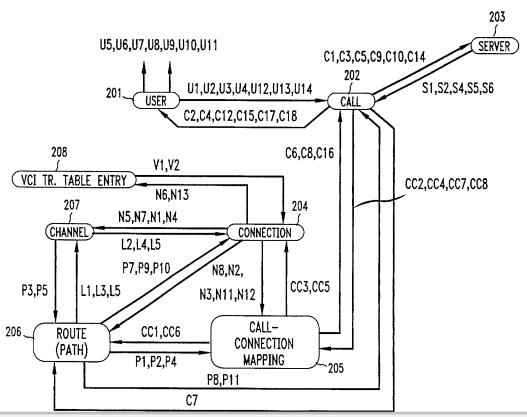
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[57] ABSTRACT

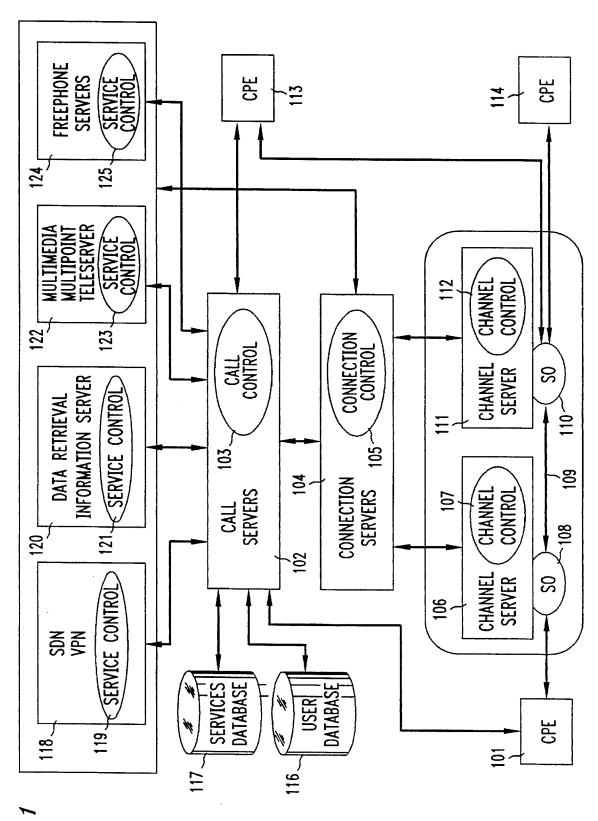
A modular suite of peer-to-peer protocols that are independent of communications network architecture supported, and the type of switching systems (packet-switched or circuit-switched), is used for a broadband and/or narrowband communications network. The protocols are comprised of client-server-oriented signaling messages that are restricted to include information and parameters associated with only one particular function of traditional call processing.

9 Claims, 5 Drawing Sheets

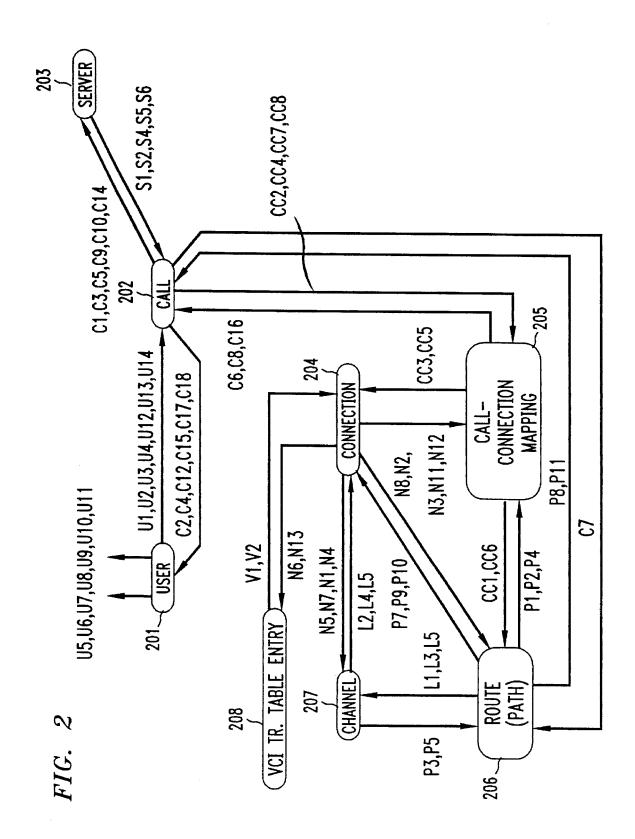




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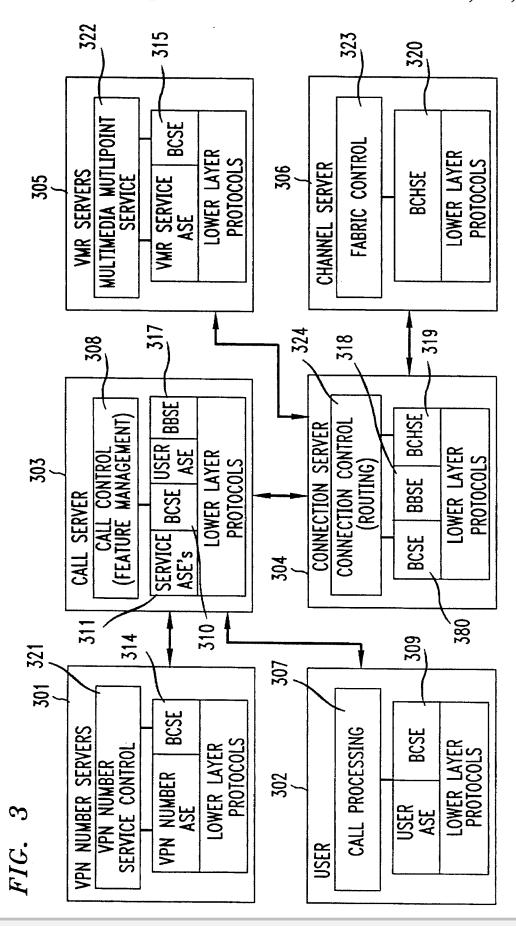


FIG. 4 ____

OPERATION	CLASS	EVENTS
SETUP-CALL	С	U1,C4,C15
MODIFY-CALL-OR-REQUEST- INFORMATION	С	U3,C4,C15
RELEASE-CALL	C	U4,C12
PERFORM-NEGOTIATION	С	S1,C3
INTERACT-WITH-CONNECTION- SERVER	С	S2,C9,C14
CONVEY-USER-SERVER- INFORMATION	U	S4
PERFORM-SERVICE-INVOCATION-COORDINATION	U	C1

FIG. 5

OPERATION	CLASS	EVENTS
SETUP-CONNECTIONS	С	C6,CC4,CC2,
RELEASE-CONNECTIONS	С	C8,CC7
MODIFY-EXISTING-CONNECTIONS	C	C7,P11,P8
FIND-PATH	С	CC1,P1,P2
CUT-THRU-CONNECTION	С	CC3,N11,N12
ADD-CHANNEL-TO-CONNECTION	С	P7,N8,N2
DELETE-CHANNEL-FROM-	C	P9,N8,N2
CONNECTION		. •
MODIFY-QoS-or-BW	С	P10,N8,P8

FIG. 6

OPERATION	CLASS	EVENTS
RESERVE-CHANNEL	С	PS,L1,L3
COMMIT-CHANNEL	С	N5,L2
MODIFY-CHANNEL	С	N1,L4
DROP-CHANNEL	С	N7,L5
FREE-RESERVED-CHANNELS	С	P5,L5
SETUP-VCI-TRANSLATION-TABLE-ENTRY	С	N6,V1
DROP-VCI-TRANSLATION-TABLE-ENTRY	С	N13,V2
INFORM-NODE-OF-RECEIVE-CHANNEL	U	N4



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