



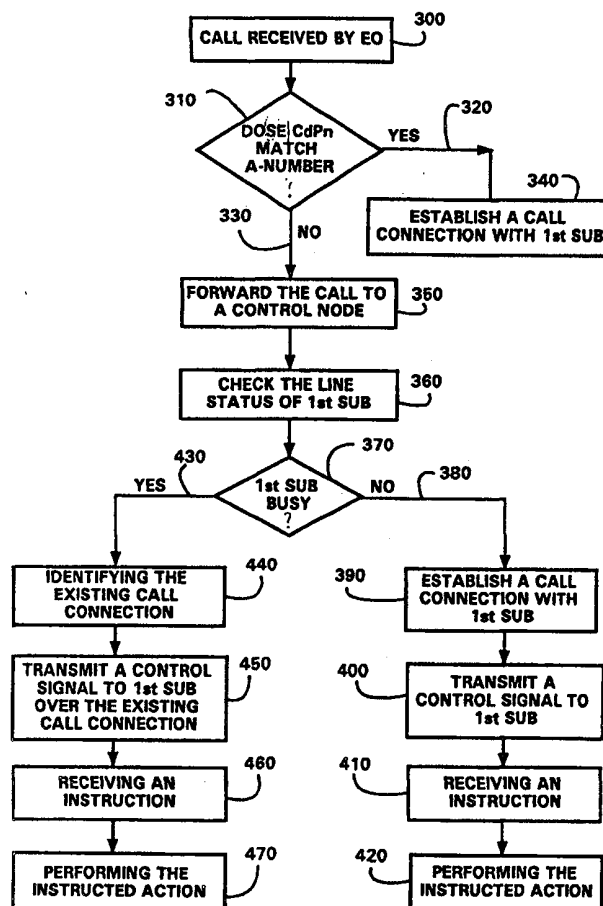
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(54) Title: PROVIDING FEATURE LOGIC CONTROL IN A TELEPHONE SYSTEM

(57) Abstract

Whenever a subscriber associated with a plurality of subscriber features receives or originates a call, an application module associated with the serving local exchange links into the established call. The application module thereafter intercepts all incoming calls towards that subscriber and transmits control data over the existing call connection to the subscriber terminal informing it of the new incoming call. The control data are transmitted over the existing call connection using out-of-band voice frequencies or during silent portions of the speech connection. Over the same existing call connection, the application module receives an instruction from the subscriber terminal for providing a particular terminating call treatment for this incoming call. The application module then provides the instructed terminating call treatment as instructed by the subscriber. Such a treatment may include call forwarding to a third subscriber, the enablement of call waiting, forwarding of the call to a voice mail, and similar subscriber services.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04M3/42 H04M3/54 H04Q3/00 H04M3/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 0 216 381 A (AMERICAN TELEPHONE & TELEGRAPH) 1 April 1987	1,2,4,6, 8,11,13, 15,17, 19,21, 23,28
Y	see page 1, line 1 - page 3, column 33	3,5,7,9, 10,12, 14,16, 20,22,24
	see page 5, line 6 - page 12, line 35; figures 1,2	
Y	DE 43 12 362 A (SEL ALCATEL AG) 20 October 1994 see page 2, line 14 - line 34	3,12,16, 20,24
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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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