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CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

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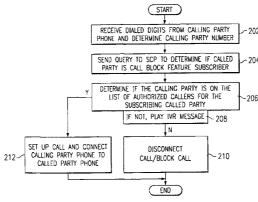
with international search report

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR SELECTIVE INCOMING CALL BLOCKING BASED ON CALLING LINE **IDENTIFICATION**



(57) Abstract: A method and apparatus for routing a call from the calling party to a called party includes determining within an SCP whether the calling party is authorized to place calls to the called party as a part of setting up the call. In the described embodiment of the invention, the disclosed method is to be implemented as a subscriber feature. In one embodiment of the invention, the SCP merely examines the calling party number to determine whether it is authorized to make the call. In a preferred embodiment of the invention, the calling party number is first mapped to a calling party name and then the calling party name is compared to a list of calling party names that are authorized to make the call. This embodiment is advantageous in that it allows for calling parties to aurally state their name into a telephone so that the SCP, with the help of the IVR, may determine what the calling party name is. This is helpful for those circumstances where an authorized calling party seeks to place a call to the called party from a phone other than his or her own. The invention further includes, in some embodiments, giving the calling party an option to pay a toll to have the call routed for those circumstances in which the calling party is not authorized to place calls to the called party. In one embodiment of the invention, the calling party is asked whether a toll charge can be charged to the calling party. In another embodiment, the calling party is asked to provide an authorization PIN.

nal Application No PCT/US 00/35099

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04M3/42 H04M3/436

H04M3/493

H04M1/66

H04Q3/00

H04M3/38

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 7 H04M H04Q

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)

EPO-Internal, WPI Data

X US 5 467 388 A (BROHAN LIAM P ET AL) 14 November 1995 (1995-11-14) figures 2,4,5 column 2, line 33 - line 40 column 5, line 51 -column 11, line 48 column 15, line 18 -column 17, line 30 Y	1,4,9-12 2,3,5-8, 13
Y Column 15, line 18 -column 17, line 30	
	13
Y US 5 903 636 A (MALIK DALE W) 11 May 1999 (1999-05-11) abstract; figures 1-4	2,3,13
X WO 99 31901 A (ALCATEL USA SOURCING LP) 24 June 1999 (1999-06-24)	16-18
Y abstract; figures 1-8	5-8

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of the actual completion of the international search 5 June 2001	Date of mailing of the international search report
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer

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Inter nal Application No PCT/US 00/35099

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
			·	
X	WO 97 46031 A (AHOLA KALEVI ;ERICSSON TELEFON AB L M (SE)) 4 December 1997 (1997–12–04) page 2, paragraph 2 figures 1,2		16-18	

4

national application No. PCT/US 00/35099

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Into	ernational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1. X	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remari	The additional search fees were accompanied by the applicant's protest.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-9

A service control point comprising: a processor; and

a store coupled to the processor by an internal bus wherein the store includes computer instructions that define operational logic to determine if a calling party is an authorized caller for the called party according to a called party subscriber profile.

2. Claims: 10-15

A method for routing a call, comprising:

receiving and analysing dialed digits to determine a calling destination; and

determining if the calling party identified as an authorized calling party for the called party in a called party subscriber profile.

3. Claims: 16-18

A method of routing a call, comprising:

determining that a calling party is not authorized to make calls to the called party;

playing a message to request that the called party provide a charge number;

verifying the accuracy of the charge number; and

connecting or rejecting a called setup request according to whether the supplied charge number was valid.

"iformation on patent family members

Interronal Application No PCT/US 00/35099

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