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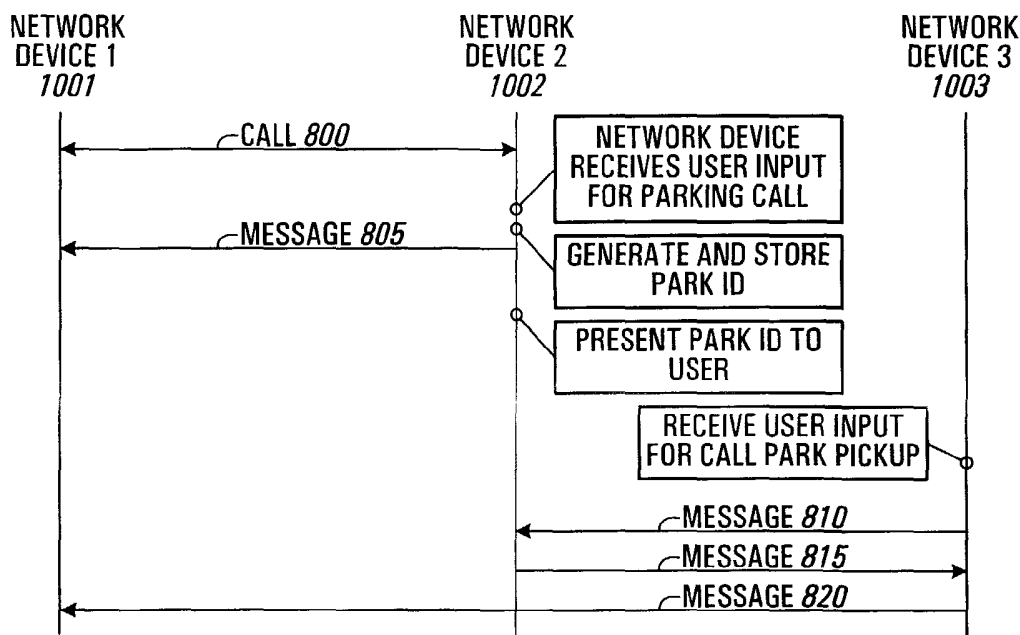
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- (74) Agents: SMART & BIGGAR et al.; 900 - 55 Metcalfe Street, P.O. Box 2999, Station D, Ottawa, On K1P 5Y6 (CA).
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[Continued on next page]

(54) Title: CALL TRANSFER AND CALL PICKUP



(57) Abstract: In a call park and call park pickup system, a plurality of network devices have local call park functionality. For call park of a call between two network devices initiated at one of the network devices and call park pickup of the call at a third network device, the local call park functionality is used to provide messaging between the three network devices for parking and picking up the call without the need of central processing equipment for providing call park and call park pickup functionality.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04M3/58 H04M3/54 H04M7/00 H04M3/42

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)  
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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, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.   |
|------------|--|---|
| X          | <p>ITU-T: "ITU-T H.450-2" 'Online!<br/>February 1998 (1998-02), INTERNATIONAL<br/>TELECOMMUNICATION UNION , XP002311122<br/>Retrieved from the Internet:<br/>URL:http://mirror.itu.int/dms/pay/itu-t/re<br/>c/h/T-REC-H.450.2-199802-I PDF-E.pdf&gt;</p> <p>paragraph '07.1!<br/>paragraph '08.1!<br/>paragraph '10.2!<br/>figures 1,2</p> <p style="text-align: center;">-----<br/>-/--</p> | <p>1,3,<br/>15-19,<br/>27-31,<br/>33,46,<br/>47,<br/>57-59,<br/>63,65,<br/>78-81,<br/>89,90</p> |

Further documents are listed in the continuation of box C.  Patent family members are listed in annex.

° Special categories of cited documents :

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| Name and mailing address of the ISA<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016 | Authorized officer<br><br><b>Schweitz, M</b> |
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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.   |
| X  | <p>ITU-T: "ITU-T H.450.5"<br/> May 1999 (1999-05), INTERNATIONAL<br/> TELECOMMUNICATION UNION , XP002311123<br/> Retrieved from the Internet:<br/> URL:http://mirror.itu.int/dms/pay/itu-t/re<br/> c/h/T-REC-H.450.5-199905-I PDF-E.pdf&gt;</p> <p>paragraph '05.2!<br/> paragraph '07.1!<br/> paragraph '07.2!<br/> paragraph '07.3!<br/> paragraph '7.9.1!</p> <p>-----</p> | <p>1,4,7,8,<br/> 15-19,<br/> 27-31,<br/> 34,37,<br/> 38,<br/> 46-49,<br/> 57-63,<br/> 66,69,<br/> 70,<br/> 77-81,<br/> 89,90</p>    |
| X  | <p>"Erratum 2 Recommendation ITU-T H.450.5<br/> (05/1999)"<br/> 22 April 2002 (2002-04-22), INTERNATIONAL<br/> TELECOMMUNICATION UNION , GENEVA ,<br/> XP002311124<br/> Retrieved from the Internet:<br/> URL:http://mirror.itu.int/dms/pay/itu-t/re<br/> c/h/T-REC-H.450.5-199905-I PDF-E.pdf&gt;</p> <p>figures 1,2,4</p> <p>-----</p>                                      | <p>1,4,7,8,<br/> 15-19,<br/> 27-31,<br/> 34,37,<br/> 38,<br/> 46-49,<br/> 57-59,<br/> 63,66,<br/> 69,70,<br/> 77-81,<br/> 89,90</p> |
| X  | <p>EP 0 967 764 A (SIEMENS INF &amp; COMM<br/> NETWORKS) 29 December 1999 (1999-12-29)</p> <p>column 8, line 15 - line 44<br/> figure 4</p> <p>-----</p>  | <p>1,3,<br/> 15-19,<br/> 27-31,<br/> 33,46,<br/> 47,<br/> 57-59,<br/> 63,65,<br/> 78-81,<br/> 89,90</p>                             |
| A  | <p>WO 97/31492 A (TRUONG HONG LINH ; WONG<br/> JOHNNY WAI NANG (CH); IBM (US))<br/> 28 August 1997 (1997-08-28)<br/> page 28, line 26 - page 30, line 18</p> <p>-----</p>   | <p>1-90</p>   |
| A  | <p>EP 0 982 919 A (SIEMENS INF &amp; COMM<br/> NETWORKS) 1 March 2000 (2000-03-01)<br/> figures 6,9a</p> <p>-----</p>   | <p>1-90</p>   |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

|   |
|---|
| International Application No<br>PCT/CA2004/000759 |
|---|

| Patent document cited in search report |   | Publication date |    | Patent family member(s) | Publication date |
|--|---|------------------|----|-------------------------|------------------|
| EP 0967764                             | A | 29-12-1999       | EP | 0967764 A2              | 29-12-1999       |
| WO 9731492                             | A | 28-08-1997       | WO | 9731492 A1              | 28-08-1997       |
|  |   |                  | DE | 69615225 D1             | 18-10-2001       |
|  |   |                  | DE | 69615225 T2             | 27-06-2002       |
|  |   |                  | EP | 0885530 A1              | 23-12-1998       |
|  |   |                  | JP | 11504191 T              | 06-04-1999       |
| EP 0982919                             | A | 01-03-2000       | US | 6363142 B1              | 26-03-2002       |
|  |   |                  | EP | 0982919 A2              | 01-03-2000       |