



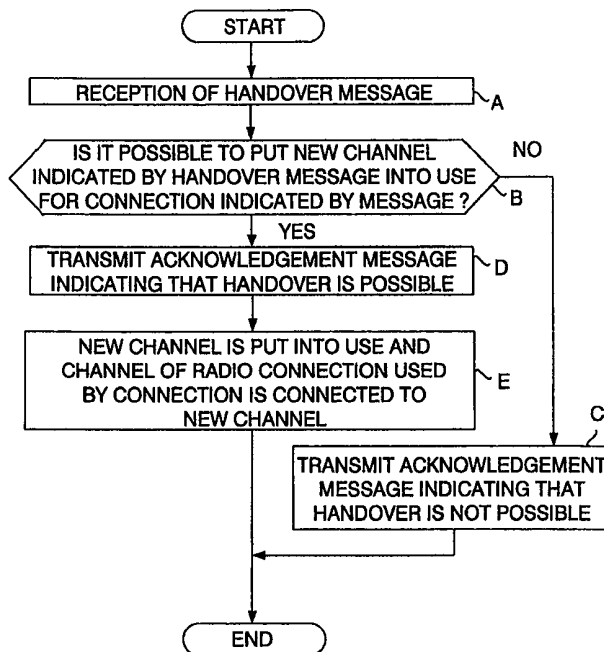
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : H04Q 7/38, H04J 3/00</p>	<p>A3</p>	<p>(11) International Publication Number: WO 99/41929 (43) International Publication Date: 19 August 1999 (19.08.99)</p>
<p>(21) International Application Number: PCT/FI99/00099 (22) International Filing Date: 10 February 1999 (10.02.99) (30) Priority Data: 980313 11 February 1998 (11.02.98) FI (71) Applicant (for all designated States except US): NOKIA TELECOMMUNICATIONS OY [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (72) Inventors; and (75) Inventors/Applicants (for US only): FRIMAN, Leif [FI/FI]; Satakunnanpolku 34, FIN-04400 Järvenpää (FI). VIRTANEN, Tapani [FI/FI]; Estetie 15 D, FIN-01280 Vantaa (FI). BÄCK, Juha [FI/FI]; Kulosaaren puistotie 44 B 22, FIN-00570 Helsinki (FI). (74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).</p>		<p>(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. In English translation (filed in Finnish).</i></p> <p>(88) Date of publication of the international search report: 14 October 1999 (14.10.99)</p>

(54) Title: METHOD OF CHANGING COMMUNICATION CHANNEL IN MOBILE SYSTEM

(57) Abstract

The present invention relates to a method of changing a telecommunication channel in a mobile communication system for a given mobile station, which mobile station has a connection in progress, and the connection is provided with a channel on a radio connection between the mobile station and base station system and a telecommunication channel between the base station system and a mobile services switching centre. In order to facilitate the changing of the telecommunication channel the method comprises the following steps of: putting a new telecommunication channel between the mobile services switching centre and the base station system, indicated by the handover message into use for the connection, and connecting the channel used to the new telecommunication channel in such a way that the radio channel remains unchanged irrespective of the change of the telecommunication channel.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI 99/00099

A. CLASSIFICATION OF SUBJECT MATTER				
IPC6: H04Q 7/38, H04J 3/00 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	EP 0727888 A2 (AT&T CORP.), 21 August 1996 (21.08.96), column 3, line 53 - column 4, line 8; column 6, line 40 - line 58 --	1-4,6-8		
A	GSM TECHNICAL SPECIFICATION GSM 08.08, ETSI, September 1997; page 16, 6 par.; page 26, 4 par. - page 28, 1 par.; page 28, last par. - page 29, 2 par.; subsections 3.1.6, 3.1.8.1, 3.1.9.3, 3.2.1.9, 3.2.1.13, 3.2.1.37, 3.2.2.1, 3.2.2.5 --	3-6		
A	WO 9316568 A1 (TELEFONAKTIEFBOLAGET LM ERICSSON), 19 August 1993 (19.08.93), page 9, line 19 - page 10, line 23 --	1-4,6-8		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.				
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Date of the actual completion of the international search		Date of mailing of the international search report		
16 August 1999		18 -08- 1999		
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI 99/00099

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	US 5682416 A (C. SCHMIDT ET AL), 28 October 1997 (28.10.97), abstract --	1-4,6-8
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A	M. MOULY, M.B. PAUTET: "THE GSM SYSTEM FOR MOBILE COMMUNICATIONS" 1992, France; subsection 6.1.3.2 -----	1-8

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