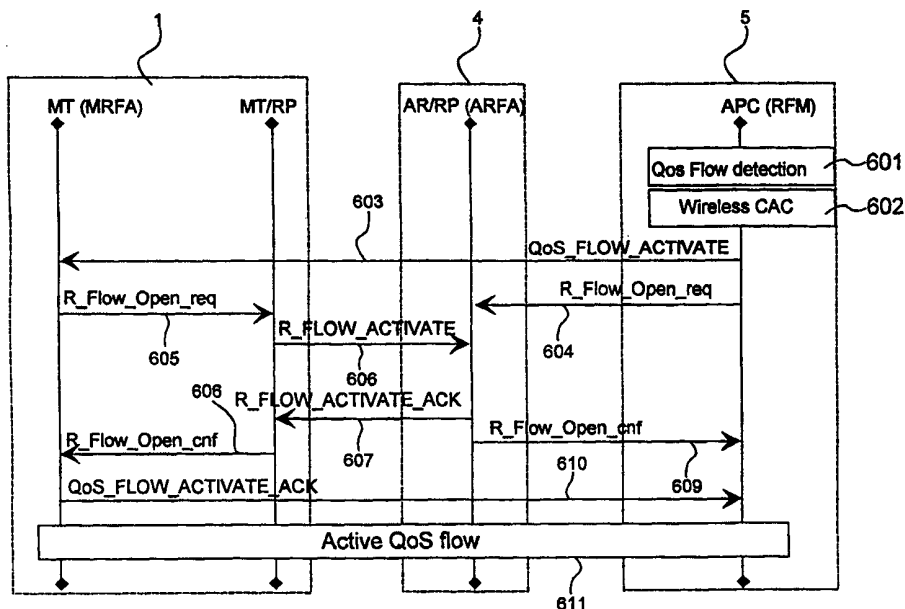




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/FI99/00052 (22) International Filing Date: 28 January 1999 (28.01.99) (30) Priority Data: 980191 28 January 1998 (28.01.98) FI (71) Applicant (for all designated States except US): NOKIA MOBILE PHONES LTD. [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (72) Inventors; and (75) Inventors/Applicants (for US only): MIKKONEN, Jouni [FI/FI]; Kaaponkuja 3 A 4, FIN-33820 Tampere (FI). ALA-LAURILA, Juha [FI/FI]; Mustanlahdenkatu 10 A, FIN-33210 Tampere (FI). (74) Agents: PURSIAINEN, Timo et al.; Tampereen Patentitoimisto Oy, Hermiankatu 6, FIN-33720 Tampere (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).  <b>Published</b> <i>With international search report.</i>  (88) Date of publication of the international search report: 30 September 1999 (30.09.99)</p>

(54) Title: METHOD SUPPORTING THE QUALITY OF SERVICE OF DATA TRANSMISSION



(57) Abstract

The invention relates to a method for supporting the quality of service (QoS) in packet data transmission between a wireless communication device (1) communicating with a radio network, and an information network (LN), where data transmission between the wireless communication device (1) and the radio network (2) is controlled with at least one access point controller (5, 5', 5''). Further, in the method, information is transmitted between the wireless communication device (1) and the access point controller (5, 5', 5'') in radio flows. In the method, at least one radio flow is provided with a defined radio flow identification (RFID) and a quality of service (QoS).

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 99/00052

## A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04L 12/56

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)

IPC6: H04L

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

SE,DK,FI,NO classes as above

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 0768777 A2 (AT&T CORP.), 16 April 1997 (16.04.97), column 6, line 16 - line 54; column 13, line 22 - line 33	1-2,7-9, 13-14
Y	--	3-6,10-12
Y	WO 9736405 A1 (NOKIA TELECOMMUNICATIONS OY), 2 October 1997 (02.10.97), page 3, line 18 - page 4, line 31; page 8, line 1 - line 15	3-6,10-12
A	--	1-2,7-9, 13-14

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Date of the actual completion of the international search

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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.
E	WO 9905828 A1 (TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)), 4 February 1999 (04.02.99), page 5, line 7 - page 10, line 13  -- -----	1-14

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

01/07/99

International application No.

PCT/FI 99/00052

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EP 0768777 A2	16/04/97	CA 2184427 A JP 9168021 A	11/04/97 24/06/97
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