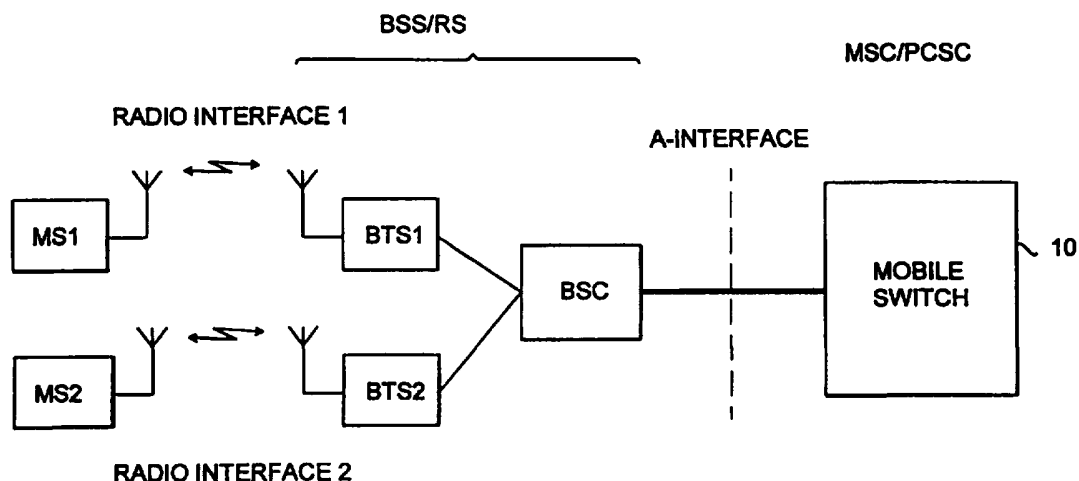




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(21) International Application Number: PCT/FI96/00026 (22) International Filing Date: 11 January 1996 (11.01.96) (30) Priority Data: 08/373,942 13 January 1995 (13.01.95) US (71) Applicant (for all designated States except US): NOKIA TELECOMMUNICATIONS OY [FI/FI]; Mäkkylän puistotie 1, FIN-02600 Espoo (FI). (72) Inventors; and (75) Inventors/Applicants (for US only): DURCHMAN, Elina [FI/US]; 11109 Chennault Beach Road #722, Mukilteo, WA 98275 (US). LAATU, Juho [FI/FI]; FIN-39780 Alaskylä (FI). MÄENPÄÄ, Sanna [FI/FI]; Hauenkalliontie 8 D 9, FIN-02170 Espoo (FI). (74) Agent: OY KOLSTER AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AZ, BY, KZ, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 12 September 1996 (12.09.96)

(54) Title: SUPPORT OF MULTIPLICITY OF RADIO INTERFACES OVER AN INTERFACE BETWEEN A BASE STATION SYSTEM AND A MOBILE SWITCH

**(57) Abstract**

In mobile radio systems, it may be necessary to support multiple radio interfaces (1, 2) within a single mobile radio network. To support these multiple radio interfaces, it may be necessary to support even multiple signalling protocols within a single interface (A-interface) between a base station controller (BSC) and a mobile switch (10), when base stations (BTS1, BTS2) supporting different radio interfaces are connected via a common base station controller (BSC) to the mobile switch (10). The mobile switch (10) and the base station controller (BSC) must be capable of recognizing to which signalling protocol a message transfer in the single interface belongs to. According to the present invention the messages transferred in the single interface (A-interface) are provided with a discrimination parameter which can be used to discriminate between the messages belonging to different radio interfaces (1, 2) and signalling protocols.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 96/00026

A. CLASSIFICATION OF SUBJECT MATTER

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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: H04Q, H04B

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.
A,P	WO 9533350 A1 (AIRNET COMMUNICATIONS CORP.), 7 December 1995 (07.12.95), page 7, line 13 - line 28; page 17, line 1 - page 18, line 3 -- -----	1-11



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