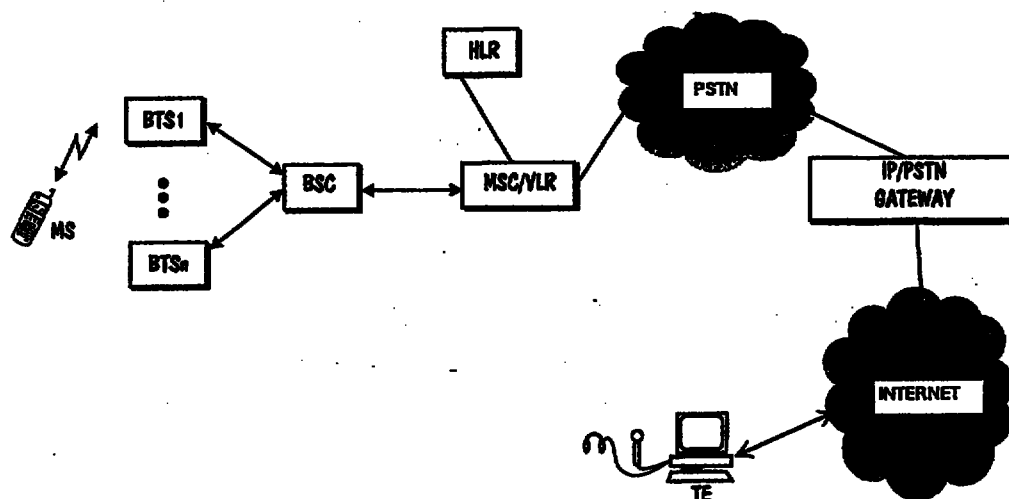


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H04L 12/56	A2	(11) International Publication Number: WO 99/20021 (43) International Publication Date: 22 April 1999 (22.04.99)
(21) International Application Number: PCT/FI98/00789 (22) International Filing Date: 9 October 1998 (09.10.98) (30) Priority Data: 973933 10 October 1997 (10.10.97) FI (71) Applicant (for all designated States except US): NOKIA TELECOMMUNICATIONS OY [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (72) Inventor; and (75) Inventor/Applicant (for US only): HAEGGSTRÖM, Johan [FI/FI]; Alberganesplanadi 2 A 28, FIN-02600 Espoo (FI). (74) Agent: PATENT AGENCY COMPATENT LTD.; Teollisuuskatu 33, P.O. Box 156, FIN-00511 Helsinki (FI).	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, 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, 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). Published <i>In English translation (filed in Finnish). Without international search report and to be republished upon receipt of that report.</i>	

(54) Title: **SPEECH TRANSMISSION BETWEEN TERMINALS IN DIFFERENT NETWORKS**

(57) Abstract

The invention concerns a system, which allows speech transmission between a mobile station and terminal equipment connected to a data network. The terminal equipment, preferably an Internet telephone, sends and receives data packets in accordance with the protocol of the data network in question and is provided with telephone characteristics. It has a speech coder in accordance with the mobile station system which synthesises the original speech from the speech parameters sent by the mobile station and contained in the data packets arriving from the data network and which correspondingly produces speech parameters for location in outgoing data packets. The speech parameters are conveyed as such between the mobile station and the terminal equipment without applying any additional coding to them. When the mobile telephone network is a packet switched network, it may be connected directly to the data network or, when the mobile telephone network is a circuit switched network, a gateway is used, which performs any necessary conversions, so that the call can be connected from one network to the other.