



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁶ :
H04L

A2

(11) International Publication Number: WO 99/13608

(43) International Publication Date: 18 March 1999 (18.03.99)

(21) International Application Number: PCT/IB98/01242

(22) International Filing Date: 12 August 1998 (12.08.98)

(30) Priority Data:

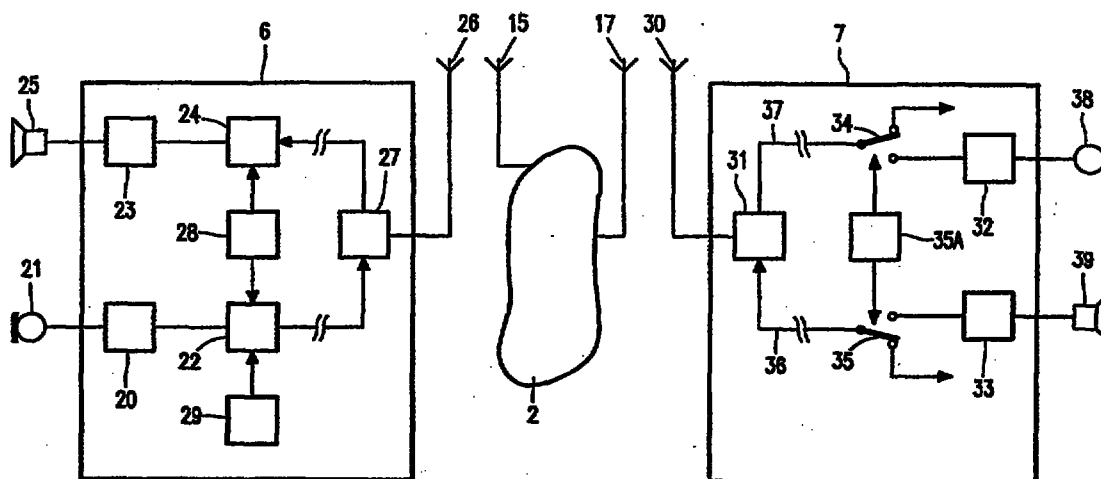
97402107.3	10 September 1997 (10.09.97)	EP
97402172.7	18 September 1997 (18.09.97)	EP

(71) Applicant: KONINKLIJKE PHILIPS ELECTRONICS N.V.
[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).(71) Applicant (for SE only): PHILIPS AB [SE/SE]; Kottbygatan 7,
Kista, S-164 85 Stockholm (SE).(72) Inventor: RAPELI, Juha; Prof. Holstlaan 6, NL-5656 AA
Eindhoven (NL).(74) Agent: MAK, Theodorus, N.; Internationaal Octrooibureau
B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).(81) Designated States: CN, JP, KR, SG, European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE).

Published

Without international search report and to be republished
upon receipt of that report.

(54) Title: A COMMUNICATION SYSTEM AND A TERMINAL



(57) Abstract

Known is a communication system such as a cellular mobile radio system comprising a cellular network and a plurality of terminals. The system can have multi-rate codecs. These days, apart from a basic service such as full duplex or semi-duplex speech communication, such systems offer services as voice mail, voice messaging, or the like. In order to make more efficient use of system resources, in particular radio resources, for one-way voice communication, it is proposed to set the multi-rate codecs at a lower bit rate than for a two-way voice communication. Establishing whether a communication is a one-way voice communication can either be done a priori or dynamically. Use is made of the insight that a longer terminal-to-terminal delay can be applied for such a one-way communication because no echo cancelling has to be done in that case. For full flexibility, an asymmetric encoding and decoding can be applied.