



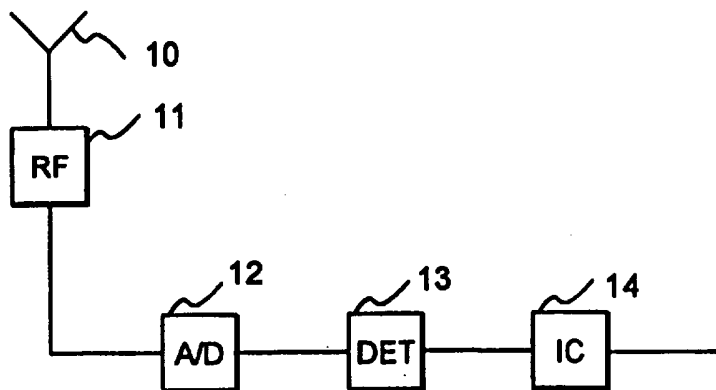
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/FI95/00553 (22) International Filing Date: 6 October 1995 (06.10.95) (30) Priority Data: 944739 7 October 1994 (07.10.94) FI (71) Applicant (for all designated States except US): NOKIA TELECOMMUNICATIONS OY [FI/FI]; Mäkkylän puistotie 1, FIN-02600 Espoo (FI). (72) Inventor; and (75) Inventor/Applicant (for US only): HOTTINEN, Ari [FI/FI]; Kielotie 30-32 C 25, FIN-01300 Vantaa (FI). (74) Agent: TEKNOPOLIS KOLSTER OY; c/o Oy Kolster Ab, Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).</p>		<p>(81) Designated States: AL, AM, AT, AU, 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, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, 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), ARIPO patent (KE, MW, SD, SZ, UG).</p> <p>Published <i>In English translation (filed in Finnish). 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.</i></p> <p>(88) Date of publication of the international search report: 23 May 1996 (23.05.96)</p>

(54) Title: INTERFERENCE CANCELLATION METHOD, AND RECEIVER

(57) Abstract

The invention relates to an interference cancellation method and a receiver of a data transmission method, which receiver comprises means (14) for carrying out multiple access interference cancellation to the received signal, and means (21) for calculating a confidence coefficient for the estimates obtained from the received signal. For enabling a reliable interference cancellation, the receiver of the invention comprises means (14) for utilizing in the multiple access interference cancellation confidence coefficients calculated for the estimates of the interfering signals.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI 95/00553

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04B 7/005

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: H04B, H04J

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 0493904 A2 (AMERICAN TELEPHONE AND TELEGRAPH COMPANY), 8 July 1992 (08.07.92), figure 7, abstract	1-4, 6-8
A	--	5, 9
A	US 5323418 A (DOUGLAS I. AYERST ET AL), 21 June 1994 (21.06.94), column 23, line 26 - column 25, line 17, figures 18-20, abstract	1-9
A	EP 0491668 A2 (ERICSSON - GE MOBILE COMMUNICATIONS HOLDING INC.), 24 June 1992 (24.06.92), abstract, Cited in the application	1-9
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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

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P,A	EP 0671821 A2 (OKI ELECTRIC INDUSTRY CO., LTD.), 13 Sept 1995 (13.09.95), abstract -- -----	1-9

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01/04/96

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