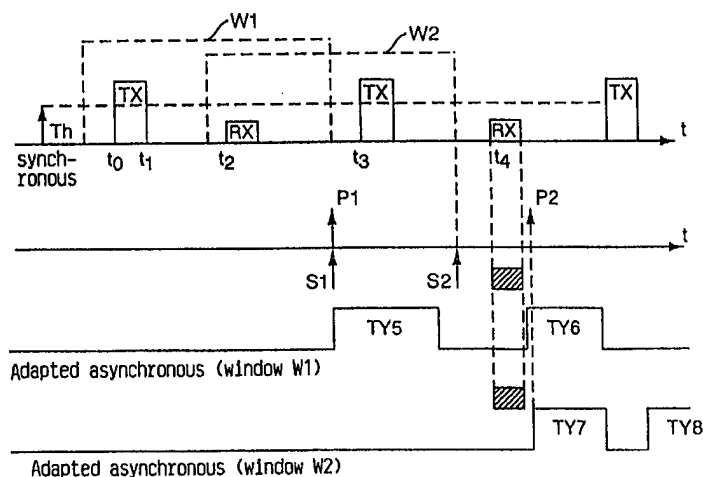




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(21) International Application Number: PCT/SE97/01720 (22) International Filing Date: 14 October 1997 (14.10.97) (30) Priority Data: 9603829-4 17 October 1996 (17.10.96) SE (71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON [SE/SE]; S-126 25 Stockholm (SE). (72) Inventor: ÅKERBERG, Dag, E.son; Ekhammarsvägen 23, S-196 31 Kungsängen (SE). (74) Agent: TELEFONAKTIEBOLAGET LM ERICSSON; Patent and Trademark Dept., S-126 25 Stockholm (SE).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, 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, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, 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: 2 July 1998 (02.07.98)

(54) Title: METHOD AND DEVICE TO DETERMINE THE TRANSMISSION POINT IN TIME OF A FIRST TRANSFER IN RELATION TO ANOTHER TRANSFER IN A RADIO MEDIUM

**(57) Abstract**

The invention relates to a method for determining the transmission points in time for an asynchronous transfer of information (speech/data) in relation to a synchronous information transfer so that the asynchronous transmission does not coincide with the synchronous reception. The asynchronous and the synchronous reception take place at short distances (<200m) and the terminals are arranged close to each other and can therefore disturb each other. The frequency band of one terminal is also close to the frequency band of the second terminal. The method involves: storing in the asynchronous terminal the relative times for transmission and reception regarding the synchronous terminal; storing a procedure in the asynchronous terminal, which, during a predetermined time interval before each asynchronous transmission, detects if and when transmission occurs from the synchronous terminal and if the detected signal power exceeds a predetermined threshold value; and if the levels in the previous step exceed the predetermined threshold value, timing the transmission from the asynchronous terminal so that it does not disturb the communication of the synchronous terminal by not coinciding with the reception at the synchronous terminal. A device in the asynchronous terminal for avoiding disturbance of a synchronous terminal closely by is disclosed.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 97/01720

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04B 7/26

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

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)

WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	JP 8316964 A (OKI ELECTRIC IND CO LTD), 29 November 1996 (29.11.96) --	1-11
A	EP 0578506 A2 (NEC CORPORATION), 12 January 1994 (12.01.94), abstract -- -----	1-11

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Date of the actual completion of the international search

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Information on patent family members

29/04/98

International application No.

PCT/SE 97/01720

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
JP	8316964	A	29/11/96	NONE	
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