CORRECTED VERSION*

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : H04B 1/10, 1/707

A1

(11) International Publication Number: WO 97/28608

(43) International Publication Date: 7 August 1997 (07.08.97)

(21) International Application Number: PCT/SE97/00132

(22) International Filing Date: 28 January 1997 (28.01.97)

(30) Priority Data:
9600394-2 2 February 1996 (02.02.96) SE

(71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).

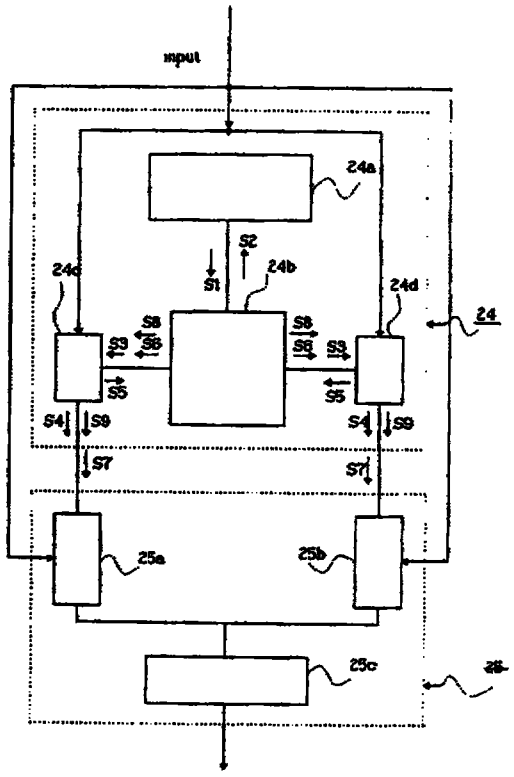
(72) Inventor: FÄRJH, Jan; Wormsövägen 8, S-122 37 Enskede (SE).

(74) Agent: BANDELIN, Hans; 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, HU, 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, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), 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
With international search report.

(54) Title: METHOD AND ARRANGEMENT OF SIGNAL TRACKING AND A RAKE-RECEIVER UTILIZING SAID ARRANGEMENT

(57) Abstract

The invention relates to a method for tracking closely adjacent and time-shifted signals incoming to a RAKE-receiver (25). According to the method, the sampling positions of the RAKE-branches (25a, 25b) are not permitted to come closer to one another in time than by a predetermiend minimum value when updating the branches. The invention also relates to an arrangement (24) for putting the method into effect. The arrangement includes a search unit (24a), a plurality of tracking units (24c, 24d) and a processor unit (24b). The invention also relates to a RAKE-receiver utilizing said apparatus.