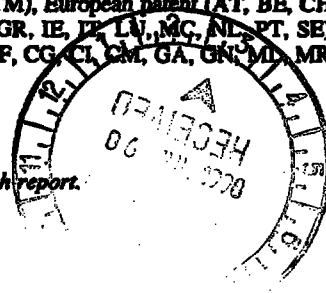
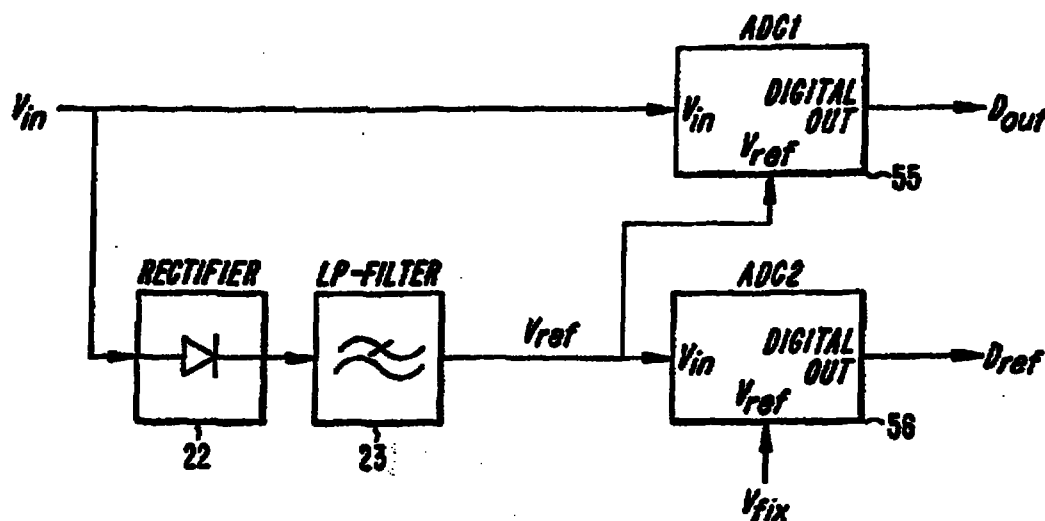


PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H03M 1/18	A1	(11) International Publication Number: WO 96/24193 (43) International Publication Date: 8 August 1996 (08.08.96)
(21) International Application Number: PCT/SE96/00072 (22) International Filing Date: 24 January 1996 (24.01.96) (30) Priority Data: 380,719 30 January 1995 (30.01.95) US (71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) [SE/SE]; S-126 25 Stockholm (SE). (72) Inventor: JANSSON, Fredrik; Ripvägen 7, S-172 37 Sundbyberg (SE). (74) Agents: BOHLIN, Björn et al.; Telefonaktiebolaget LM Ericsson, Patent Dept., S-126 25 Stockholm (SE).	(81) Designated States: AL, AM, AT, AU, AZ, 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, 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 (AZ, BY, KG, KZ, RU, TJ, TM), 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). Published With international search report.	

(54) Title: **WIDE DYNAMIC RANGE ANALOG TO DIGITAL CONVERSION**

(57) Abstract

An analog-to-digital converter circuit in which an extracted envelope of an input signal is used as a reference signal on a analog-to-digital converter, providing a wide dynamic range while avoiding the need for an automatic gain control.