RTMP copy

9706041-2

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6: H04N 3/15 — A1

(11) International Publication Number: WO 96/41464

(43) International Publication Date: 19 December 1996 (19.12.96)

(21) International Application Number: PCT/SE96/00728

(22) International Filing Date: 3 June 1996 (03.06.96)

(30) Priority Data:
9502063-2 7 June 1995 (07.06.95) SE

(71) Applicant (*for all designated States except US*): IVP INTEGRATED VISION PRODUCTS AB [SE/SE]; Teknikringen 2C, S-583 30 Linköping (SE).

(72) Inventor; and

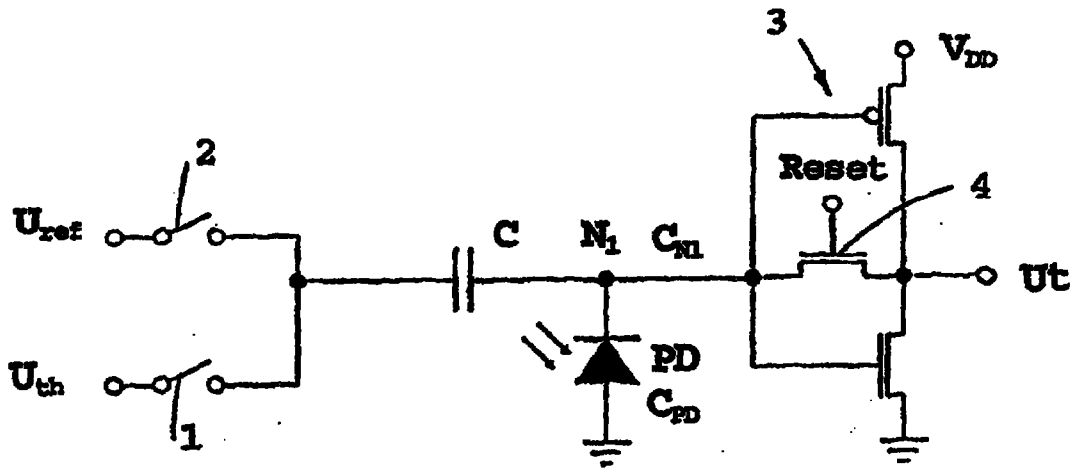
(75) Inventor/Applicant (*for US only*): EKLUND, Jan-Erik [SE/SE]; Westmansgatan 100, S-582 46 Linköping (SE).

(74) Agents: WILLQUIST, Bo et al.; Willquist & Partners Patentbyrå AB, S:t Larsgatan 23, S-582 24 Linköping (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, IL, 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, US, 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.
In English translation (filed in Swedish).

(54) Title: APPARATUS FOR READING AND PROCESSING IMAGE INFORMATION



(57) Abstract

The present invention relates to a device for the input and processing of information comprising sensor elements arranged in matrix form, which are integrally formed on a substrate. Each sensor element comprises output electronics (3) and at least one photovoltaic cell (PD), which is adapted to convert an optical signal incident upon the photovoltaic cell to an electrical signal. The device according to the invention is characterised in that each sensor element is adapted to perform compensation of an offset error in the output electronics (3) forming part of the sensor element and that each sensor element is adapted to perform the said offset compensation independently of the other sensor elements in the device.