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(71) Applicant (for all designated States except US): **EASTMAN KODAK COMPANY** [US/US]; 343 State Street, Rochester, New York 14650-2201 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BURKATOVSKY, Vitaly** [IL/IL]; Harashba Street 15, Apartment 21, 75484 Rishon Le Zion (IL).

(74) Common Representative: **EASTMAN KODAK COMPANY**; 343 State Street, Rochester, NY 14650-2201 (US).

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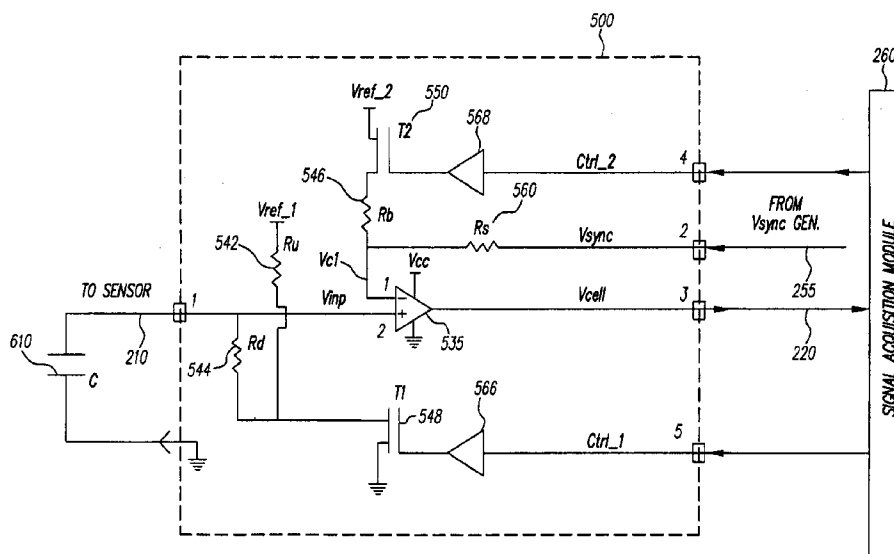
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(54) Title: CONFIGURABLE ELECTRONIC CONTROLLER FOR CAPACITANCE MEASUREMENTS



(57) Abstract: A method and apparatus for measurement of capacitance by use of an adaptive input-cell circuitry, part of a configurable electronic controller, or generally by a computer controlled adaptive input-cell. The input-cell comprises a comparator, two transistor switches and resistor networks, respectively connected to the comparator and two switches. The input-cell receives control signals to the transistor switches and a synchronization waveform input from the configurable electronic controller or computer. The input-cell measures the capacitance connected at its input or alternatively the self-capacitance of an open conductor. The input-cell converts the input signal parameters into time-based signals, which cumulative count are related to the value of the measured capacitance.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. G01R27/26

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)
G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 521 090 A (AISIN SEIKI [JP]) 6 April 2005 (2005-04-06) paragraph [0012]; figure 1	1-13
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A	EP 0 644 432 A (PENBERTHY INC [US]) 22 March 1995 (1995-03-22) page 3, line 27 - page 4, line 11	1-13



Further documents are listed in the continuation of Box C.



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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Meggyesi, Zoltán

INTERNATIONAL SEARCH REPORT

Information on patent family members

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