

Title (en)

PROGRAMMABLE READ ONLY MEMORY ADAPTIVE ROW DRIVER CIRCUIT AND OUTPUT CIRCUIT.

Title (de)

ANPASSUNGSFÄHIGES ZEILENTREIBERSCHALTUNG UND AUSGANGSSCHALTUNG FÜR PROGRAMMIERBAREN NUR-LESE-SPEICHER.

Title (fr)

CIRCUIT ADAPTATIF DE COMMANDE DE RANGEES POUR UNE MEMOIRE MORTE PROGRAMMABLE ET CIRCUIT DE SORTIE.

Publication

EP 0229081 A4 19900322 (EN)

Application

EP 86903104 A 19860509

Priority

- US 75308385 A 19850709
- US 75308485 A 19850709

Abstract (en)

[origin: WO8700338A1] An I<2>L programmable read only memory (26) operates in the read mode at very low power levels and at voltages down to 1 Volt. Switching between modes is accomplished merely by changing the voltage on the B+ terminal; 1-3 Volts for the read mode and 9-12 Volts for the program mode. The memory includes a row driver circuit (e.g. 40) to sink current from a row (e.g. 60) of memory elements when selectively activated. The row driver circuit has two current sinking capabilities, a low current capability for the read mode and a high current capability for the program mode. The memory also includes an output circuit (e.g. 80) that has a selectable dual non-inverting input differential amplifier (424-440) with each non-inverting input connected to a different column (e.g. 340) of memory elements. To program the memory elements, the output circuit includes two selectable programming current sources (402-410, 412-420) which self extinguish as soon as the memory element being programmed changes from its unprogrammed to its programmed state.

IPC 1-7

G11C 7/00; **G11C 8/00**; **G11C 17/06**

IPC 8 full level

G11C 17/06 (2006.01); **G11C 17/18** (2006.01)

CPC (source: EP KR)

G11C 7/00 (2013.01 - KR); **G11C 17/06** (2013.01 - EP); **G11C 17/18** (2013.01 - EP)

Citation (search report)

- [A] GB 2089161 A 19820616 - RAYTHEON CO
- [A] EP 0019381 A1 19801126 - FUJITSU LTD [JP]
- [A] EP 0098215 A2 19840111 - FUJITSU LTD [JP]
- [A] GB 2118797 A 19831102 - CITIZEN WATCH CO LTD
- See references of WO 8700338A1

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

WO 8700338 A1 19870115; EP 0229081 A1 19870722; EP 0229081 A4 19900322; KR 880700421 A 19880315

DOCDB simple family (application)

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