

Title (en)

REVERSE COUPLING EFFECT WITH TIMING INFORMATION

Title (de)

RÜCKWÄRTSKOPPLUNGSEFFEKT MIT TIMING-INFORMATIONEN

Title (fr)

EFFET DE COUPLAGE INVERSE AVEC DES INFORMATIONS DE SYNCHRONISATION

Publication

EP 1946325 A1 20080723 (EN)

Application

EP 06827629 A 20061108

Priority

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Abstract (en)

[origin: WO2007058846A1] Shifts in the apparent charge stored on a floating gate (or other charge storing element) of a non-volatile memory cell can occur because of the coupling of an electric field based on the charge stored in neighboring floating gates (or other neighboring charge storing elements). The problem occurs most pronouncedly between sets of adjacent memory cells that have been programmed at different times. To compensate for this coupling, the read process for a given memory cell will take into account the programmed state of a neighbor memory cell if the neighbor memory cell was programmed subsequent to the given memory cell. Techniques for determining whether the neighbor memory cell was programmed before or after the given memory cell are disclosed.

IPC 8 full level

G11C 16/26 (2006.01)

CPC (source: EP KR)

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Citation (search report)

See references of WO 2007058846A1

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