

Title (en)

METHOD OF FORMING NONVOLATILE MEMORIES WITH L-SHAPED FLOATING GATES

Title (de)

VERFAHREN ZUR HERSTELLUNG NICHTFLÜCHTIGER SPEICHER MIT L-FÖRMIGEN FLOATING GATES

Title (fr)

MÉTHODE DE FORMATION DE MÉMOIRES NON VOLATILES AVEC GRILLES FLOTTANTES EN FORME DE L

Publication

EP 2054925 A2 20090506 (EN)

Application

EP 07799975 A 20070802

Priority

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- US 46503806 A 20060816

Abstract (en)

[origin: WO2008021736A2] In a nonvolatile memory using floating gates to store charge, individual floating gates are L-shaped. Orientations of L-shaped floating gates may alternate in the bit line direction and may also alternate in the word line direction. L-shaped floating gates are formed by etching conductive portions using etch masks of different patterns to obtain floating gates of different orientations.

IPC 8 full level

H01L 21/28 (2006.01); **H01L 21/8247** (2006.01); **H01L 27/115** (2006.01); **H01L 29/423** (2006.01)

CPC (source: EP KR)

H01L 29/40114 (2019.07 - EP); **H01L 29/42324** (2013.01 - EP KR); **H01L 29/66825** (2013.01 - KR); **H10B 41/30** (2023.02 - EP KR); **H10B 41/35** (2023.02 - EP)

Citation (search report)

See references of WO 2008021736A2

Citation (examination)

US 2005199939 A1 20050915 - LUTZE JEFFREY W [US], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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