

Title (en)

METHOD FOR OPERATING A MEMORY UNIT

Title (de)

VERFAHREN ZUM BETREIBEN EINER SPEICHEREINRICHTUNG

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN DISPOSITIF DE MÉMOIRE

Publication

EP 2005440 A1 20081224 (DE)

Application

EP 07726878 A 20070314

Priority

- EP 2007052382 W 20070314
- DE 102006013763 A 20060324

Abstract (en)

[origin: DE102006013763A1] The method involves assigning a bit pattern to a memory region, memory cell of blocks (6), after implementation of a deletion operation (16), which is separated from a writing operation (20) so that a change of state (18) of blocks is recognized during shifting of bits within the memory area for the blocks. An explicit change of the condition of the blocks is implemented after shifting of the bits. Verification data of the blocks are used to determine, whether shifting of bits of the blocks is caused by the change of the state. Independent claims are also included for the following: (1) a device for operating a memory device (2) a memory device, which consists of several blocks (3) a computer program with program code units (4) a computer program product with program code units.

IPC 8 full level

G11C 29/00 (2006.01); **G06F 11/10** (2006.01); **G11C 16/16** (2006.01)

CPC (source: EP KR US)

G11C 7/22 (2013.01 - KR); **G11C 8/12** (2013.01 - KR); **G11C 16/16** (2013.01 - EP US); **G11C 29/88** (2013.01 - EP US)

Citation (search report)

See references of WO 2007110327A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 102006013763 A1 20070927; CN 101405816 A 20090408; EP 2005440 A1 20081224; JP 2009531757 A 20090903; KR 20080107426 A 20081210; US 2009319732 A1 20091224; US 8250321 B2 20120821; WO 2007110327 A1 20071004

DOCDB simple family (application)

DE 102006013763 A 20060324; CN 200780010382 A 20070314; EP 07726878 A 20070314; EP 2007052382 W 20070314; JP 2009502008 A 20070314; KR 20087023184 A 20080923; US 29440007 A 20070314