

Title (en)

STORAGE ASSEMBLY WITH SELF-ALIGNING NON-INTEGRATED CAPACITOR ARRANGEMENT

Title (de)

SPEICHERANORDNUNG MIT SELBSTJUSTIERENDER NICHT INTEGRIERTER KONDENSATORANORDNUNG

Title (fr)

MATRICE MEMOIRE A GROUPEMENT DE CONDENSATEURS NON INTEGRE A AUTO-ALIGNEMENT

Publication

**EP 0931337 A1 19990728 (DE)**

Application

**EP 97937429 A 19970807**

Priority

- DE 9701664 W 19970807
- DE 19640213 A 19960930

Abstract (en)

[origin: DE19640213C1] Storage assembly comprising a capacitor arrangement (4) and a transistor arrangement (2), which are self-aligned and so assembled that in each case a first contact (10) of a transistor (8) belonging to the transistor arrangement (2) is connected to a second contact (12) of a storage capacitor (15) belonging to the capacitor arrangement (4). The second contacts are designed to protrude in order to align both arrangements (2,4) and engage in a structure with elevations (20) when assembled.

IPC 1-7

**H01L 21/60**; **H01L 27/115**

IPC 8 full level

**H01L 25/18** (2006.01); **H01L 21/60** (2006.01); **H01L 25/00** (2006.01); **H01L 25/04** (2006.01); **H01L 27/105** (2006.01); **H01L 27/108** (2006.01); **H01L 27/115** (2006.01); **H01L 27/11502** (2017.01)

CPC (source: EP KR US)

**H01L 24/81** (2013.01 - EP US); **H01L 27/105** (2013.01 - KR); **H10B 12/00** (2023.02 - KR); **H10B 53/00** (2023.02 - EP US); **H10B 69/00** (2023.02 - KR); **H01L 2224/10135** (2013.01 - EP US); **H01L 2224/10165** (2013.01 - EP US); **H01L 2224/16237** (2013.01 - EP US); **H01L 2224/81139** (2013.01 - EP US); **H01L 2224/8114** (2013.01 - EP US); **H01L 2224/81801** (2013.01 - EP US); **H01L 2924/01005** (2013.01 - EP US); **H01L 2924/01006** (2013.01 - EP US); **H01L 2924/01033** (2013.01 - EP US); **H01L 2924/01038** (2013.01 - EP US); **H01L 2924/0104** (2013.01 - EP US); **H01L 2924/01041** (2013.01 - EP US); **H01L 2924/01056** (2013.01 - EP US); **H01L 2924/01073** (2013.01 - EP US); **H01L 2924/01082** (2013.01 - EP US); **H01L 2924/19041** (2013.01 - EP US); **H01L 2924/19043** (2013.01 - EP US)

Citation (search report)

See references of WO 9814996A1

Designated contracting state (EPC)

DE FR GB IE IT

DOCDB simple family (publication)

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**DE 19640213 A 19960930**; CN 97198375 A 19970807; DE 9701664 W 19970807; EP 97937429 A 19970807; IN 1496CA1997 A 19970812; JP 51609198 A 19970807; KR 19997002690 A 19990329; TW 86111598 A 19970813; US 28204199 A 19990330