

Title (en)

PROCESS FOR PRODUCING BARRIER-FREE SEMICONDUCTOR STORAGE ASSEMBLIES

Title (de)

VERFAHREN ZUR HERSTELLUNG BARRIERENFREIER HALBLEITERSPEICHERANORDNUNGEN

Title (fr)

PROCEDE DE PRODUCTION D'ENSEMBLES MEMOIRES A SEMICONDUCTEUR SANS COUCHES D'ARRET

Publication

EP 0931348 A1 19990728 (DE)

Application

EP 97943751 A 19970911

Priority

- DE 9702034 W 19970911
- DE 19640211 A 19960930

Abstract (en)

[origin: DE19640211A1] This invention concerns a process for producing an integrated semiconductor storage assembly, particularly with the use of ferroelectric materials as storage dielectrics. To that effect, a conductive connection between an electrode of a storage capacitor and a selector transistor is only produced after depositing of the storage dielectric. This invention also concerns storage assemblies produced according to said production process.

IPC 1-7

H01L 27/115; H01L 21/3205

IPC 8 full level

H01L 21/8247 (2006.01); **H01L 21/02** (2006.01); **H01L 27/10** (2006.01); **H01L 29/788** (2006.01); **H01L 29/792** (2006.01); **H10B 12/00** (2023.01); **H10B 69/00** (2023.01)

CPC (source: EP KR)

H01L 28/55 (2013.01 - EP); **H10B 12/033** (2023.02 - EP); **H10B 69/00** (2023.02 - KR)

Designated contracting state (EPC)

DE FR GB IE IT

DOCDB simple family (publication)

DE 19640211 A1 19980402; CN 1231768 A 19991013; EP 0931348 A1 19990728; JP 2000503813 A 20000328; KR 20000036201 A 20000626; TW 388952 B 20000501; WO 9815008 A1 19980409

DOCDB simple family (application)

DE 19640211 A 19960930; CN 97198369 A 19970911; DE 9702034 W 19970911; EP 97943751 A 19970911; JP 51610998 A 19970911; KR 19997002256 A 19990317; TW 86114055 A 19970926