

Title (en)
IC-CHIP WITH PROTECTIVE STRUCTURE

Title (de)
IC-CHIP MIT SCHUTZSTRUKTUR

Title (fr)
PUCE A CIRCUITS INTEGRES COMPORTANT UNE STRUCTURE PROTECTRICE

Publication
EP 1428254 A2 20040616 (DE)

Application
EP 02754526 A 20020812

Priority
• DE 0202955 W 20020812
• DE 10140045 A 20010816

Abstract (en)
[origin: WO03017350A2] The protective structure is distributed over the semiconductor chip (1), such that it is impossible to cause a malfunction in the circuit through radiation without also causing damage to the protective structure by the radiation. Redundant conductors (3), or connections with radiation-dependent conductance or dielectric constant are provided, or the check lines of a memory are arranged between the bit lines.

IPC 1-7
H01L 21/56

IPC 8 full level
G06K 19/073 (2006.01); **G11C 16/22** (2006.01); **H01L 23/552** (2006.01); **H01L 23/58** (2006.01); **H10B 69/00** (2023.01)

CPC (source: EP US)
G06K 19/073 (2013.01 - EP US); **G06K 19/07372** (2013.01 - EP US); **G11C 16/22** (2013.01 - EP US); **H01L 23/552** (2013.01 - EP US); **H01L 23/576** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US)

C-Set (source: EP US)
H01L 2924/0002 + H01L 2924/00

Designated contracting state (EPC)
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DOCDB simple family (publication)
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