

Title (en)
Electrical circuitry.

Title (de)
Elektrische Schalttechnik.

Title (fr)
Circuiterie électrique.

Publication
EP 0166762 A4 19860516 (EN)

Application
EP 85900417 A 19841212

Priority
US 56191783 A 19831215

Abstract (en)
[origin: WO8502751A1] Electrical circuitry (32) is comprised of a plurality of layers (30, 100) each layer (30, 100) including one or more electrical pathways (36, 38) each layer (30, 100) also including insulation (34) for insulating at least part of one layer (30) from another layer (100). The pathways (36, 38) comprise repeating patterns (40, 42). Each pathway (36, 38) of each layer (30, 100) can communicate with the pathways (36, 38) of the next adjacent layers (30, 100). Some portions of the patterns (40, 42) which comprise the pathways (36, 38) of each layer (30, 100) can be at least partially aligned with some portion of the patterns (40, 42) of pathways (36, 38) of the other layers (30, 100). Other portions of the pathways (36, 38) of the layers (30, 100) remain unaligned. A pulse laser (134) can be used to sever unaligned portions of the pathways (36, 38) as appropriate to create the desired electrical circuitry (32). Components can be secured to the electrical circuitry as required. Further, such circuitry can be used in the construction of the final metallization layers of chips such as gate arrays.

IPC 1-7
H05K 1/14

IPC 8 full level
H05K 3/46 (2006.01); **H01L 23/538** (2006.01); **H05K 1/00** (2006.01); **H05K 3/32** (2006.01); **H05K 1/11** (2006.01); **H05K 3/00** (2006.01); **H05K 3/30** (2006.01); **H05K 3/40** (2006.01)

CPC (source: EP)
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Citation (search report)

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- [Y] DE 2056222 A1 19720518 - POERSCH H
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- See references of WO 8502751A1

Designated contracting state (EPC)
AT BE CH DE FR GB LI LU NL SE

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DOCDB simple family (application)
US 8402043 W 19841212; AU 3747585 A 19841212; BR 8407221 A 19841212; CA 470020 A 19841213; EP 85900417 A 19841212; IL 7383984 A 19841216; JP 50007084 A 19841212