

Title (en)

SYSTEM FOR LASER DIRECT WRITING OF MESA STRUCTURES HAVING NEGATIVELY SLOPED SIDEWALLS

Title (de)

SYSTEM FÜR DIREKTES LASERBESCHRIFTEN VON MESASTRUKTUREN MIT NEGATIV GENEIGTEN SEITENWÄNDEN

Title (fr)

BANC D'ECRITURE LASER DIRECTE DE STRUCTURES MESA COMPORTANT DES FLANCS A PENTES NEGATIVES

Publication

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Application

EP 11770461 A 20111018

Priority

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Abstract (en)

[origin: WO2012055725A1] The general field of the invention is that of photolithography systems intended for producing electronic components, using the lift-off technique, on a flat substrate (1) comprising one or more flat photosensitive layers. The system according to the invention is a laser direct-write system. It comprises optical or mechanical means arranged so that the useful part of the optical beam (F) is inclined in the plane of the photosensitive layers in order to create re-entrant profiles in said layers, the useful part of the optical beam being the part of the optical beam that actually contributes to create said profiles. In a preferred embodiment of the invention, the system comprises means (50) for partially blocking the optical beam, said means being located in the vicinity of the focusing optics (23).

IPC 8 full level

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