

Title (en)
Matrix holder

Title (de)
Matrixhalter

Title (fr)
Porte-matrices

Publication
EP 1837419 A1 20070926 (EN)

Application
EP 07104744 A 20070323

Priority
SE 0600672 A 20060324

Abstract (en)
Device (10) for holding a disc-shaped element (12b, 12c) in an electroplating bath, such as a matrix disc for manufacturing press matrices for optically-readable discs. The device comprises a sealed cavity (24) delimited between a flat base plate (26b, 26c) and a backing piece (16), which cavity can be connected to a vacuum source via a connector (42) in the backing piece (16) and which cavity is in communication with holes (28, 28a) arranged around the periphery and in the centre of the base plate that connect the said cavity (24) to the side of the disc element (12a-c) that is not to be plated. The connector (42) is arranged in such a way that when it is disconnected from the vacuum source, it maintains a requisite negative pressure for holding the disc element (12b, 12c) against the flat base plate (26b, 26c) during the plating process.

IPC 8 full level
C25D 7/00 (2006.01); **C25D 7/06** (2006.01); **C25D 17/00** (2006.01); **C25D 17/06** (2006.01)

CPC (source: EP SE)
C25D 7/04 (2013.01 - EP); **C25D 7/06** (2013.01 - EP); **C25D 17/005** (2013.01 - EP); **C25D 17/06** (2013.01 - EP SE)

Citation (search report)
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• [Y] EP 1067590 A2 20010110 - APPLIED MATERIALS INC [US]
• [A] WO 02075792 A2 20020926 - NUTOOL INC [US]
• [A] US 6187152 B1 20010213 - TING CHIU H [US], et al

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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DOCDB simple family (application)
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