

Title (en)
METHOD FOR MAKING AN OPTICAL MICROMIRROR AND MICROMIRROR OR ARRAY OF MICROMIRRORS OBTAINED BY SAID METHOD

Title (de)
HERSTELLUNGSVERFAHREN FÜR EINEN OPTISCHEN MIKROSPIEGEL UND MIKROSPIEGEL ODER MATRIXANORDNUNG VON MIKROSPIEGELN

Title (fr)
PROCEDE DE FABRICATION D'UN MICRO-MIROIR OPTIQUE ET MICRO-MIROIR OU MATRICE DE MICRO-MIROIRS OBTENUS PAR CE PROCEDE

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Application
EP 02704816 A 20020213

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Abstract (en)
[origin: FR2820834A1] The invention concerns a method for making an optical micromirror comprising a fixed part, a mobile part, with reflecting means, linked to the fixed part by articulating means. Said method is characterised in that it comprises the following steps: a) producing a stack consisting of a mechanical support (21), a first layer (22) of thermal oxidation material and at least a second layer (26) of material designed to constitute the mobile part; b) providing articulation means (27); c) producing reflecting means (29) on the second layer; d) producing the mobile part by etching at least the second layer of material; e) eliminating the thermal oxidation layer to release said mobile part. The invention is applicable to optical routing or image projection systems.

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Citation (search report)
See references of WO 02065187A2

Citation (examination)
• DE 19728598 A1 19990204 - BOSCH GMBH ROBERT [DE]
• HORNBECK L.J.: "Deformable-Mirror spatial light modulators", SPIE, vol. 1150, 8 August 1989 (1989-08-08), SAN DIEGO, CA, US, pages 86 - 102, XP000351394

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