

Title (en)
MONOLITHIC MULTIPLE SOLAR CELLS

Title (de)
MONOLITHISCHE MEHRFACH-SOLARZELLE

Title (fr)
CELLULE SOLAIRE MONOLITHIQUE A PLUSIEURS CELLULES

Publication
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Application
EP 05847317 A 20051223

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Abstract (en)
[origin: WO2006072423A1] The invention relates to a monolithic multiple solar cell (10) comprising at least three partial cells (12, 14, 16, 18), wherein a semiconductor mirror (22) is placed between two partial cells (16, 18). The aim of said invention is to improve the radiation stability of said solar cell. For this purpose, the semiconductor mirror has a high degree of reflection in at least one part of a spectral absorption area of the partial cell which is arranged above the semiconductor mirror and a high degree of transmission within the spectral absorption range of the partial cell arranged below the semiconductor mirror.

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Citation (search report)
See references of WO 2006072423A1

Citation (examination)
FRIEDMANN D.J. ET AL: "1-ev solar cells with GaInNAs active layer", JOURNAL OF CRYSTAL GROWTH, ELSEVIER, AMSTERDAM, NL, vol. 195, no. 1-4, 15 December 1998 (1998-12-15), pages 409 - 415, XP004154295

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