

Title (en)

ELECTRONIC DEVICE WITH ELECTRODES HAVING MICROFEATURES, AND METHOD OF PRODUCING SUCH A DEVICE

Title (de)

ELEKTRONISCHE EINRICHTUNG MIT MIKROSTRUKTURIERTEN ELEKTRODEN UND VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN EINRICHTUNG

Title (fr)

DISPOSITIF ELECTRONIQUE A ELECTRODES MICROSTRUCTUREES ET SON PROCEDE DE FABRICATION

Publication

EP 0698297 A1 19960228 (DE)

Application

EP 94916956 A 19940511

Priority

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Abstract (en)

[origin: WO9427326A1] The invention concerns an electronic device, in particular a solar cell with a film (16) of amorphous silicon (a-Si) and at least two film electrodes (14, 18), one surface (20, 22) of each electrode being contiguous with the amorphous-silicon film (16). At least one (14) of the electrodes has microfeatures (14a) which form a preferably periodically repeating structure. The mean distance between the microfeatures is preferably of the same order of magnitude as the length of the charge-carrier path and is in general less than 1 μ m, in particular 50 to 500 nm. The microfeature structure is preferably produced by the action of a laser-beam interference pattern.

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IPC 8 full level

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CPC (source: EP US)

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See references of WO 9427326A1

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