

Title (en)
SEMICONDUCTOR-BASED LARGE-AREA FLEXIBLE ELECTRONIC DEVICES

Title (de)
AUF HALBLEITERN BASIERENDE GROSSFLÄCHIGE FLEXIBLE ELEKTRONISCHE ANORDNUNGEN

Title (fr)
DISPOSITIFS ÉLECTRONIQUES FLEXIBLES À ZONE LARGE, BASÉS SUR DES SEMI-CONDUCTEURS

Publication
EP 2250674 A4 20130213 (EN)

Application
EP 08871774 A 20080909

Priority
• US 2008010511 W 20080909
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• US 2008002944 W 20080306

Abstract (en)
[origin: WO2009096931A1] Novel articles and methods to fabricate the same resulting in flexible, {100}<100> or 45°-rotated {100}<100> oriented, semiconductor-based, electronic devices are disclosed. Potential applications of resulting articles are in areas of photovoltaic devices, flat-panel displays, thermophotovoltaic devices, ferroelectric devices, light emitting diode devices, computer hard disc drive devices, magnetoresistance based devices, photoluminescence based devices, non-volatile memory devices, dielectric devices, thermoelectric devices and quantum dot laser devices.

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H01L 31/0687

IPC 8 full level
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Citation (search report)
• [X1] US 6872988 B1 20050329 - GOYAL AMIT [US]
• [X1] US 2007044832 A1 20070301 - FRITZEMEIER LESLIE G [US]
• [X1] GOYAL A ET AL: "Low cost, single crystal-like substrates for practical, high efficiency solar cells", AIP CONFERENCE PROCEEDINGS AIP USA, no. 404, 1997, pages 377 - 394, XP002689485, ISSN: 0094-243X
• See references of WO 2009096931A1

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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WO 2009096931 A1 20090806; AU 2008349509 A1 20090806; AU 2008349509 B2 20131219; CA 2742128 A1 20090806; CA 2742128 C 20161129; CN 101981699 A 20110223; CN 101981699 B 20130206; EP 2250674 A1 20101117; EP 2250674 A4 20130213; HK 1150093 A1 20111028

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