

Title (en)

PROCESS FOR MANUFACTURING A SELF-ASSEMBLED INJECTION MONOLAYER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER SELBSTANORDNENDEN INJEKTIONSMONOSCHICHT

Title (fr)

PROCEDE DE FABRICATION D'UNE MONOCOUCHE AUTOASSEMBLEE D'INJECTION

Publication

**EP 2671268 A1 20131211 (FR)**

Application

**EP 12704322 A 20120202**

Priority

- **FR 1100349 A 20110204**
- **IB 2012050491 W 20120202**

Abstract (en)

[origin: WO2012104809A1] The invention relates to a process for manufacturing a self-assembled injection monolayer (SAM) on the surface of a metal supporting member, the SAM comprising molecules with a thiol end group. The manufacturing process of the invention comprises the following steps: a) depositing the SAM of desired molecules on a zone in relief of a buffer; and b) transferring the SAM onto the surface of the supporting member by hot pressing of the zone in relief of the buffer obtained in step a). The invention is applicable in particular to the field of electronics.

IPC 8 full level

**H01L 51/00** (2006.01); **H01L 51/10** (2006.01)

CPC (source: EP KR US)

**B05D 3/12** (2013.01 - US); **G03F 7/0002** (2013.01 - US); **H10K 10/00** (2023.02 - US); **H10K 10/82** (2023.02 - US); **H10K 71/13** (2023.02 - EP US); **H10K 10/82** (2023.02 - EP KR); **H10K 85/60** (2023.02 - EP US)

Citation (search report)

See references of WO 2012104809A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**FR 2971369 A1 20120810**; **FR 2971369 B1 20130308**; EP 2671268 A1 20131211; JP 2014511022 A 20140501; JP 6018584 B2 20161102; KR 101946287 B1 20190211; KR 20140026374 A 20140305; US 2013316541 A1 20131128; US 9459526 B2 20161004; WO 2012104809 A1 20120809

DOCDB simple family (application)

**FR 1100349 A 20110204**; EP 12704322 A 20120202; IB 2012050491 W 20120202; JP 2013552311 A 20120202; KR 20137023344 A 20120202; US 201213983159 A 20120202