

Title (en)
SEMICONDUCTOR-BASED MAGNETIC MATERIAL

Title (de)
MAGNETMATERIAL AUF HALBLEITERBASIS

Title (fr)
MATERIAU MAGNETIQUE A BASE DE SEMI-CONDUCTEUR

Publication
EP 2313897 A1 20110427 (FR)

Application
EP 09800114 A 20090721

Priority
• FR 2009000895 W 20090721
• FR 0804159 A 20080722

Abstract (en)
[origin: WO2010010250A1] Magnetic material based on at least one magnetic 3d transition metal element and at least one Group IVA semiconductor element, this material being homogeneous and having a Curie temperature (Tc) of 350 K or higher. Method for the production and uses thereof, especially in spintronics.

IPC 8 full level
H01F 10/193 (2006.01); **H01F 41/20** (2006.01)

CPC (source: EP US)
G11C 11/14 (2013.01 - EP US); **H01F 1/405** (2013.01 - EP US); **H01F 10/193** (2013.01 - EP US); **H01F 41/20** (2013.01 - EP US); **H10N 50/85** (2023.02 - EP US); **H01F 1/401** (2013.01 - EP US); **Y10T 428/12465** (2015.01 - EP US)

Citation (search report)
See references of WO 2010010250A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010010250 A1 20100128; EP 2313897 A1 20110427; FR 2934412 A1 20100129; FR 2934412 B1 20140207; US 2011186948 A1 20110804

DOCDB simple family (application)
FR 2009000895 W 20090721; EP 09800114 A 20090721; FR 0804159 A 20080722; US 200913055475 A 20090721