

Title (en)
SUBSTRATES COMPRISING SWITCHABLE FERROMAGNETIC NANOPARTICLES

Title (de)
SCHALTBARE FERROMAGNETISCHE NANOTEILCHEN ENTHALTENDE SUBSTRATE

Title (fr)
SUBSTRATS CONTENANT DES NANOPARTICULES FERROMAGNÉTIQUES COMMUTABLES

Publication
EP 2481061 A1 20120801 (DE)

Application
EP 10762617 A 20100917

Priority

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Abstract (en)
[origin: US2011070620A1] In a process for producing organic substrate particles bonded to switchable ferromagnetic nanoparticles with a mean particle diameter in the range from 10 to 1000 nm, the ferromagnetic nanoparticles used are those nanoparticles which are nonferromagnetic at first, but become ferromagnetic when the temperature is lowered, these at first nonferromagnetic nanoparticles in dispersed form are bonded to the organic substance particles, and then the nanoparticles bonded to the substrate particles are made ferromagnetic as a result of the temperature being lowered.

IPC 8 full level
H01F 1/01 (2006.01); **A61K 41/00** (2006.01); **B22F 1/054** (2022.01); **C22C 1/04** (2006.01); **B22F 1/142** (2022.01)

CPC (source: EP KR US)
A61K 41/0052 (2013.01 - EP KR US); **A61P 35/00** (2017.12 - EP); **B22F 1/054** (2022.01 - EP KR US); **B22F 3/1039** (2013.01 - KR); **B82Y 30/00** (2013.01 - EP US); **C07H 23/00** (2013.01 - US); **C07K 14/00** (2013.01 - US); **C07K 14/825** (2013.01 - US); **C07K 16/00** (2013.01 - US); **C12N 11/14** (2013.01 - US); **C22C 33/0207** (2013.01 - EP KR US); **H01F 1/015** (2013.01 - EP KR US); **B22F 1/142** (2022.01 - EP KR US); **B22F 3/1039** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP KR US); **Y10T 428/2982** (2015.01 - US)

Citation (search report)
See references of WO 2011033084A1

Designated contracting state (EPC)
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