

Title (en)
ORGANIC FIELD EFFECT TRANSISTOR AND INTEGRATED CIRCUIT

Title (de)
ORGANISCHER FELDEFFEKT TRANSISTOR, INTEGRIERTER SCHALTKREIS

Title (fr)
TRANSISTOR A EFFET DE CHAMP ORGANIQUE ET CIRCUIT INTEGRE

Publication
EP 1584113 A2 20051012 (DE)

Application
EP 03799430 A 20031208

Priority
• DE 0304036 W 20031208
• DE 10301086 A 20030114

Abstract (en)
[origin: WO2004068608A2] The invention relates to an organic field effect transistor (OFET) and/or an organic-based integrated circuit with a high operating frequency. Compact, high-speed circuit layouts are obtained by positioning the two ends of the current channel in close proximity.

IPC 1-7
H01L 51/20

IPC 8 full level
H01L 27/28 (2006.01); **H01L 51/05** (2006.01)

CPC (source: EP KR US)
H01L 21/18 (2013.01 - KR); **H10K 19/00** (2023.02 - US); **H10K 19/80** (2023.02 - EP KR); **H10K 10/462** (2023.02 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004068608 A2 20040812; WO 2004068608 A3 20041014; WO 2004068608 A8 20050804; AU 2003299265 A1 20040823;
AU 2003299265 A8 20040823; CN 1757123 A 20060405; DE 10394197 D2 20051201; EP 1584113 A2 20051012; JP 2006513578 A 20060420;
KR 100745570 B1 20070803; KR 20050103195 A 20051027; US 2006145140 A1 20060706

DOCDB simple family (application)
DE 0304036 W 20031208; AU 2003299265 A 20031208; CN 200380110077 A 20031208; DE 10394197 T 20031208; EP 03799430 A 20031208;
JP 2004567249 A 20031208; KR 20057012958 A 20050713; US 54195703 A 20031208