Title (en)
ELECTRONIC MODULE ARRANGEMENT AND CORRESPONDING PRODUCTION METHOD

Title (de)
ELEKTRONIKMODULANORDNUNG UND ENTSPRECHENDES HERSTELLUNGSVERFAHREN

Title (fr)
SYSTEME DE MODULE ELECTRONIQUE ET PROCEDE DE PRODUCTION CORRESPONDANT

Publication
EP 1771881 A1 20070411 (DE)

Application
EP 05756831 A 20050627

Priority
• EP 2005052980 W 20050627
• DE 102004031592 A 20040630

Abstract (en)
[origin: WO2006003126A1] The invention relates to an electronic module arrangement, particularly for use in a motor vehicle, comprising: a first substrate (S1) having a first front side (011) and a first rear side (021); a second substrate (S2) having a second front side (012) and a second rear side (022), and; at least one flat chip (C; C1, C2; C1', C2') mounted between the first and second front sides (011, 012) in a sandwich-like manner. An integrated spacing device is at least provided on at least one of the first and second front sides (011, 012), and has at least one spacing element (A1-A4; A1'-A4'; A1a-A1c, A2a, A2b; A01-A08; AG; AU; AL1, AL2;AQ1-AQ4) that is supported on the chip (C; C1, C2; C1', C1') or on the other of the first and second front sides (011, 012). The invention also relates to a corresponding production method.

IPC 8 full level
H01L 25/07 (2006.01); **H01L 23/495** (2006.01); **H01L 23/498** (2006.01)

CPC (source: EP)
H01L 23/4951 (2013.01); **H01L 23/49861** (2013.01); **H01L 25/072** (2013.01); **H05K 1/145** (2013.01); H01L 2224/16 (2013.01); H01L 2924/00011 (2013.01); H01L 2924/00014 (2013.01); H01L 2924/01021 (2013.01); H01L 2924/01057 (2013.01); H01L 2924/01079 (2013.01); H01L 2924/09701 (2013.01); H01L 2924/13091 (2013.01); H05K 1/0306 (2013.01); H05K 3/3436 (2013.01); H05K 2201/10674 (2013.01); H05K 2201/2036 (2013.01)

Citation (search report)
See references of WO 2006003126A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 102004031592 A1 20060209; EP 1771881 A1 20070411; WO 2006003126 A1 20060112

DOCDB simple family (application)
DE 102004031592 A 20040630; EP 05756831 A 20050627; EP 2005052980 W 20050627