

Title (en)

SUPPORT PLATFORM FOR ELECTRICAL COMPONENTS, AND MODULE COMPRISING SAID SUPPORT PLATFORM

Title (de)

TRÄGERPLATTFORM FÜR ELEKTRISCHE BAUELEMENTE UND MODUL MIT DER TRÄGERPLATTFORM

Title (fr)

PLATE-FORME DE SUPPORT POUR COMPOSANTS ELECTRIQUES ET MODULE EQUIPE DE LADITE PLATE-FORME

Publication

EP 1726194 A2 20061129 (DE)

Application

EP 05715027 A 20050225

Priority

- DE 2005000323 W 20050225
- DE 102004013477 A 20040318

Abstract (en)

[origin: WO2005094149A2] The invention relates to a support platform and a module comprising said support platform, particularly a module that is to be connected to mains and has the function of a phase modifier or mains filter. The inventive module is characterized by a great degree of integration of different components such as a contactor, capacitors, and fuses in a common housing comprising a support platform made of a composite fiber material and at least one hood which is connected in a fixed manner to the support platform and is preferably made of metal. Conductor rails (1a, 2a, 3a, 11, 11a, 11b, 11c, 14) with outer contacts are integrated into the support platform while preferably also electrical lines are integrated therein between the components and the conductor rails (1a, 2a, 3a, 11, 11a, 11b, 11c, 14).

IPC 8 full level

H05K 3/20 (2006.01); **H05K 7/02** (2006.01); **H05K 1/03** (2006.01)

CPC (source: EP KR US)

H05K 7/02 (2013.01 - EP KR US); **H05K 7/14339** (2022.08 - EP); **H05K 1/0366** (2013.01 - EP US); **H05K 3/202** (2013.01 - EP US)

Citation (search report)

See references of WO 2005094149A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102004013477 A1 20051006; AU 2005226075 A1 20051006; BR PI0508897 A 20070911; CA 2567902 A1 20051006; CN 1934917 A 20070321; EP 1726194 A2 20061129; JP 2007529886 A 20071025; KR 20070009627 A 20070118; RU 2006136796 A 20080427; US 2008100993 A1 20080501; WO 2005094149 A2 20051006; WO 2005094149 A3 20060209

DOCDB simple family (application)

DE 102004013477 A 20040318; AU 2005226075 A 20050225; BR PI0508897 A 20050225; CA 2567902 A 20050225; CN 200580008744 A 20050225; DE 2005000323 W 20050225; EP 05715027 A 20050225; JP 2007503186 A 20050225; KR 20067021584 A 20061018; RU 2006136796 A 20050225; US 59305805 A 20050225