

Title (en)
HEAT-SINKING STRUCTURES AND ELECTRICAL SOCKETS FOR USE THEREWITH

Title (de)
KÜHLSTRUKTUREN UND ELEKTRISCHE STEERDOSEN IN VERBINDUNG DAMIT

Title (fr)
STRUCTURES DE DISSIPATION DE CHALEUR ET DOUILLES ELECTRIQUES UTILISEES AVEC DE TELLES STRUCTURES

Publication
EP 0810910 A4 19990602 (EN)

Application
EP 96909496 A 19960221

Priority
• US 9602306 W 19960221
• US 39213195 A 19950222

Abstract (en)
[origin: WO9626030A1] A process of making a heat-sinking structure (5), which includes providing a mold (15) having cavities (12a) closed at one end and open at another end, the cavities (12a) corresponding to the heat dissipating surfaces on the heat-sinking structure (5), at least partially evacuating ambient gases from the cavities (12a), filling the mold (15) with molten material, and solidifying the same to form the heat-sinking structure (5). A combination structure of electromagnetic interference filter (130) and electrical socket assembly (128, 132) includes an electromagnetic interference filter (130), at least one terminal blade (118) passing through the electromagnetic interference filter (130), and a block of electrically insulating material (126). The terminal blade (118) provides an electrically conductive path and a connection mechanism configured to inter-fit with another electrical conductor. The electromagnetic filter (130) comprising the terminal blade (118) is molded into the electrically insulating material (126) to form an electrical socket (128, 132). The terminal blade (118) passes through the electrically insulating material (126) and has exposed ends.

IPC 1-7
B22D 18/06; **H01R 13/10**

IPC 8 full level
B22D 18/06 (2006.01); **B22D 25/02** (2006.01); **B22D 27/15** (2006.01); **H01L 21/48** (2006.01); **H01L 23/367** (2006.01); **H01R 13/719** (2011.01)

CPC (source: EP)
B22D 25/02 (2013.01); **B22D 27/15** (2013.01); **H01L 21/4871** (2013.01); **H01L 21/4878** (2013.01); **H01L 23/3677** (2013.01); **H01R 13/719** (2013.01); **H01L 2924/0002** (2013.01)

Citation (search report)
• [DAX] US 5215140 A 19930601 - BEANE GLENN [US]
• [A] WO 9325332 A1 19931223 - RANK BRIMAR LTD [GB], et al
• [A] WO 9427765 A1 19941208 - POLESE FRANK J [US], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 305 (M - 733) 19 August 1988 (1988-08-19)
• [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 054 (M - 282) 10 March 1984 (1984-03-10)
• See references of WO 9626030A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9626030 A1 19960829; AU 5296996 A 19960911; AU 717240 B2 20000323; CA 2213515 A1 19960829; EP 0810910 A1 19971210; EP 0810910 A4 19990602; JP H11500666 A 19990119

DOCDB simple family (application)
US 9602306 W 19960221; AU 5296996 A 19960221; CA 2213515 A 19960221; EP 96909496 A 19960221; JP 52578996 A 19960221