

REVISED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/088381 A1

(51) International Patent Classification⁷: **G02B 6/42**,
H05K 9/00, H01R 12/16, 13/658

(72) Inventors: **LLOYD, Brian, Keith**; 11 Hornrimme Court,
Maumelle, AR 72113 (US). **CRANE, John, Reginald**;
19348 Crane Drive, Little Rock, AR 72206 (US).

(21) International Application Number:
PCT/US2004/009494

(74) Agent: **PAULIUS, Thomas, D.**; Molex Incorporated, 222
Wellington Court, Lisle, IL 60532 (US).

(22) International Filing Date: 30 March 2004 (30.03.2004)

(25) Filing Language: English

(26) Publication Language: English

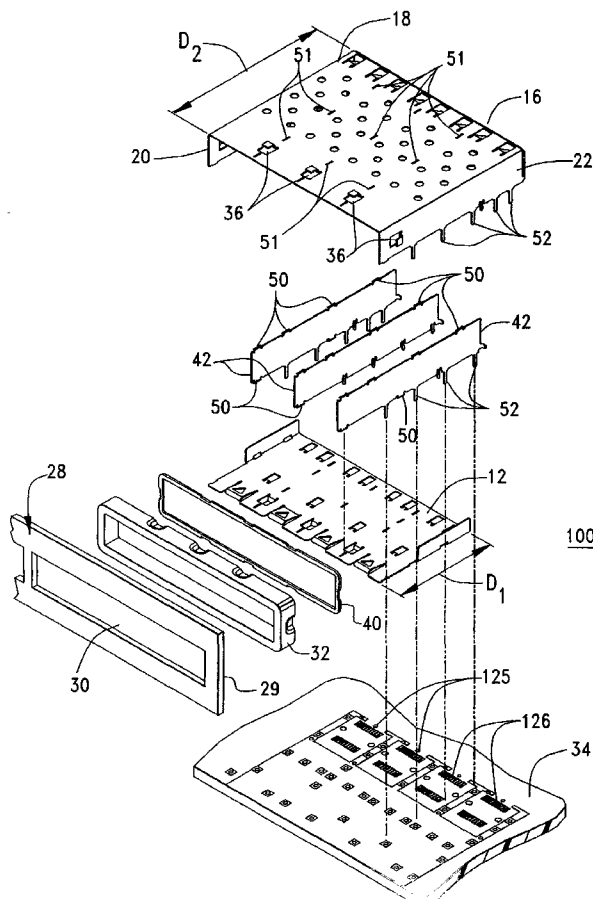
(30) Priority Data:
60/459,093 31 March 2003 (31.03.2003) US

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(71) Applicant (for all designated States except US): **MOLEX
INCORPORATED** [US/US]; 2222 Wellington Court,
Lisle, IL 60532 (US).

[Continued on next page]

(54) Title: SHIELDING CAGE WITH MULTIPLE MODULE-RECEIVING BAYS



(57) Abstract: An electromagnetic interference (EMI) shield-
ing cage for an electronic module is comprised an electrically-
conductive bottom, an electrically-conductive rear panel elec-
trically coupled to said bottom, an electrically-conductive, elon-
gated cover electrically coupled to said bottom and first and sec-
ond side walls that are electrically and mechanically coupled to
said bottom, said rear panel and said elongated cover. Numerous
ground lugs, electrically coupled to at least one of: said bottom;
rear panel; and first and second side walls provide an electri-
cal pathway for EMI signals to a reference potential. An elec-
trically-conductive, compressible gasket encircling the bottom,
top and side walls provides an electrical connection to a front
panel, providing additional EMI suppression. Gasket engage-
ment tabs in the top and bottom provide electrical connection
between the gasket and panels.

WO 2004/088381 A1



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- with amended claims

(88) **Date of publication of the revised international search report:** 24 March 2005

Date of publication of the amended claims: 13 January 2005

(15) **Information about Correction:**
see PCT Gazette No. 12/2005 of 24 March 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.