

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 March 2004 (11.03.2004)

PCT

(10) International Publication Number
WO 2004/021381 A2

(51) International Patent Classification⁷: **H01H 25/00**

(21) International Application Number:
PCT/IB2003/003416

(22) International Filing Date: 21 August 2003 (21.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02 10699 28 August 2002 (28.08.2002) FR

(71) Applicant (for all designated States except US): **ITT
MANUFACTURING ENTERPRISES, INC** [US/US];
1105 North Market Street, Suite 1217, Wilmington, DE
19801 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BRICAUD, Hervé**
[FR/FR]; 166, avenue Eisenhower, F-39100 DOLE (FR).

PIZARD, Yves [FR/FR]; 106 avenue Georges Pompi-
dou, F-39100 DOLE (FR). **WICKER THOMPSON,
David** [FR/FR]; 5420 West U.S. Highway 34, Loveland,
CO 80537 (US). **HOWARD COUGHENOUR, James**
[US/US]; 2916 Ringneck Drive, Fort Collins, CO 80526
(US).

(74) Agents: **BLOT, Philippe** et al.; 2, Place d'Estienne
d'Orves, F-75441 PARIS CEDEX 09 (FR).

(81) Designated States (*national*): CA, CN, JP, KR, SG, US,
ZA.

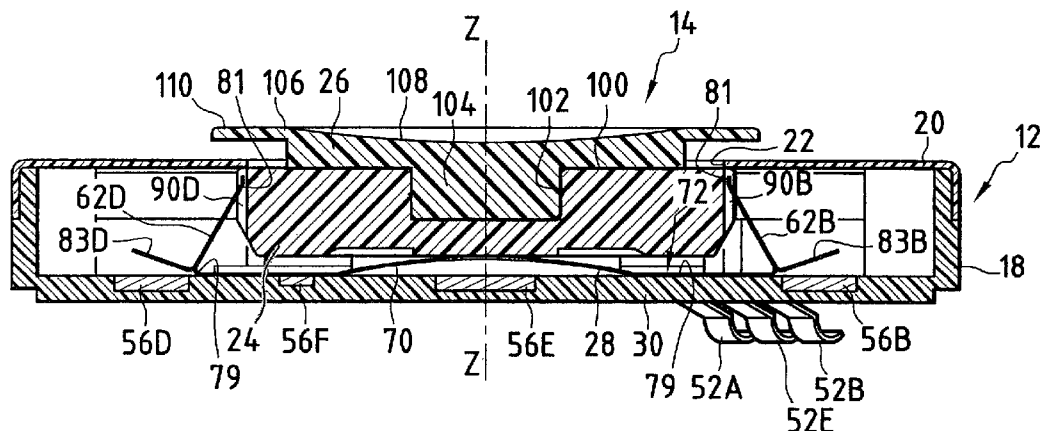
(84) Designated States (*regional*): European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:

— without international search report and to be republished
upon receipt of that report

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

(54) Title: **MULTIPLE SWITCHING DEVICE**



(57) **Abstract:** The multiple switching device (10) comprises: a casing (12); at least two contacts which are each formed by a conductive stud (56B, 56D) carried by the casing (12) and an associated movable conductive finger (83B, 83D); an operating member (14) for controlling the movable fingers (83B, 83D), which operating member can be moved relative to the casing (12) from a rest position into at least two separate selection positions; and resilient means for biasing the operating member (14) towards the rest position thereof. The operating member (14) can be moved slidably relative to the casing (12) in order to switch each of the contacts.

WO 2004/021381 A2