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(74) Agents: WURM, Mark, A. et al.; Lockheed Martin Corporation, 9500 Godwin Drive, Bldg. 400, Mail Drop 043, Manassas, VA 20110 (US).

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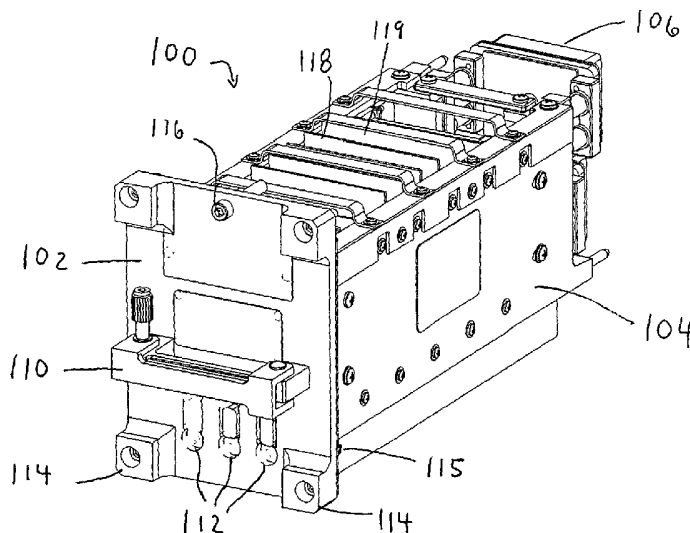
(71) Applicant: **LOCKHEED MARTIN CORPORATION**  
[US/US]; Bldg 400, Mail Drop 043, 9500 Godwin Drive, Manassas, VA 20110 (US).

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(72) Inventors: **CANTER, Donald, C.**; 416 Birchwood Manor Lane, Bel Air, MD 21014 (US). **WATTS, Michael, A.**; 410 Campus Hills Drive, Bel Air, MD 21015 (US).

*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.*

(54) Title: RUGGED MODULAR PC104 CHASSIS WITH BLIND MATE CONNECTOR AND FORCED CONVECTION COOLING CAPABILITIES



(57) Abstract: A chassis for circuit cards has a housing, a front end, a connector end, and a top cover. The housing has an airflow slot on its underside, and the top cover is open in nature, the combination of which allows the flow of forced convection air from top to bottom (or vice versa) to cool the circuit cards. The connector end has alignment pins which assist in blind mating of the chassis in difficult to access areas. Stabilizer rods, spacers and spacer brackets, made from stainless steel, hold the circuit cards in place and protect them from shock, vibration, and other trauma. The front end has a jacking type screw which enables one to exert sufficient pressure so that the greater than 200 I/O pins at the connector end are easily forced into receiving sockets.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/35966

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H05K 7/20

US CL : 361/690, 694

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
NONE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US 6,529,374 B2 (YAMASHITA et al) 04 March 2003 (04.03.2003), see entire document.	1-19
A	US 6,373,712 B1 (BAILIS et al) 16 April 2002 (16.04.2002), see entire document.	1-19
A	US 6,351,381 B1 (BILSHI et al) 26 February 2002 (26.02.2002), see entire document.	1-19
A	US 5,808,866 A (PORTER) 15 September 1998 (15.09.1998), see entire document.	1-19
A	US 5,390,083 A (DECKER et al) 14 February 1995 (14.02.1995), see entire document.	1-19
A	US 5,173,845 A (SHAW) 22. December 1992 (22.12.1992), see entire document.	1-19

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
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Facsimile No. (703) 305-3230

Authorized officer

Jose Dees

Telephone No. 571-272-1850

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## Continuation of B. FIELDS SEARCHED Item 1:

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