

Title (en)
INTEGRATED POWER SYSTEM

Title (de)
INTEGRIERTES LEISTUNGSSYSTEM

Title (fr)
SYSTÈME DE PUISSANCE INTÉGRÉ

Publication
EP 3861839 A4 20220601 (EN)

Application
EP 18936174 A 20181003

Priority
US 2018054173 W 20181003

Abstract (en)
[origin: WO2020072048A1] A power system is disclosed that includes a chassis configured to house a first board, a second board, and a third board, in which the boards are electrically coupled to one another. The first board is configured to receive power and to output power at a first voltage and a second voltage. The second board is configured to receive power from the first board or at least one internal battery electrically coupled to the second board and to output power using at least two voltages. The third board is configured to receive power from the second board and to output power at two voltages. The boards include one or more converters configured to convert power. The one or more converters are thermally interfaced with one or more portions of the chassis so as to conduct heat into a respective portion of the chassis.

IPC 8 full level
H05K 7/14 (2006.01); **F42B 15/04** (2006.01); **G06F 1/18** (2006.01); **G06F 1/20** (2006.01); **G06F 1/26** (2006.01); **H02J 7/34** (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP)
G06F 1/188 (2013.01); **G06F 1/20** (2013.01); **G06F 1/26** (2013.01); **H02J 7/0048** (2020.01); **H02J 7/345** (2013.01); **H05K 7/14322** (2022.08); **H05K 7/209** (2013.01); **F42B 15/04** (2013.01)

Citation (search report)
• [IAY] EP 2348800 A1 20110727 - PORTWELL INC [TW]
• [Y] US 2016165716 A1 20160609 - IDO YUSAKU [JP], et al
• [A] EP 3163986 A1 20170503 - DELTA ELECTRONICS (SHANGHAI) CO LTD [CN]
• See also references of WO 2020072048A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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WO 2020072048 A1 20200409; EP 3861839 A1 20210811; EP 3861839 A4 20220601; JP 2022510497 A 20220126; JP 7250150 B2 20230331

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