

Title (en)
POWER CONVERTER

Title (de)
STROMRICHTER

Title (fr)
CONVERTISSEUR DE PUISSANCE

Publication
EP 3103186 A1 20161214 (DE)

Application
EP 15701754 A 20150123

Priority
• EP 14153916 A 20140205
• EP 2015051368 W 20150123

Abstract (en)
[origin: WO2015117843A1] The disclosed frequency converter comprises a housing in which electrical and electronic components (5, 6, 7, 22) are arranged and which is designed at least in part as a Faraday cage. At least two Faraday cages (4, 9, 15, 29) are provided inside the housing in order to improve EMC.

IPC 8 full level
H02M 7/00 (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP RU US)
H02K 5/24 (2013.01 - US); **H02K 11/0141** (2020.08 - EP US); **H02K 11/33** (2016.01 - US); **H02M 5/297** (2013.01 - US);
H02M 7/003 (2013.01 - EP US); **H02P 27/06** (2013.01 - US); **H05K 9/00** (2013.01 - RU); **H05K 9/0026** (2013.01 - US);
H05K 9/0037 (2013.01 - EP US)

Citation (search report)
See references of WO 2015117843A1

Citation (examination)
• WO 9216094 A1 19920917 - TELENOKIA OY [FI]
• GB 2420911 A 20060607 - VTECH TELECOMM LTD [HK]
• JP 2006230064 A 20060831 - TOYOTA MOTOR CORP
• DE 102013207673 A1 20141030 - CONTI TEMIC MICROELECTRONIC [DE]
• US 2004172502 A1 20040902 - LIONETTA WILLIAM G [US], et al
• A NONYMOUS: "Fils et cables électrique", 31 December 2017 (2017-12-31), pages 1 - 8, XP055440269, Retrieved from the Internet <URL:http://www.acim-jouanin.fr/francais/content/catalogue/Cables/FILS_CABLES_ET_GAINES.pdf> [retrieved on 20180112]
• "Antriebslösungen - Mechatronik für Produktion und Logistik", 1 January 2007, SPRINGER, ISBN: 978-3-540-73426-0, article ERWIN KIEL ET AL: "Elektromagnetische Verträglichkeit; Antriebssysteme für Pumpen und Ventilatoren", pages: 165, 197, 198, 458, XP055338526
• "Elektromagnetische Verträglichkeit Grundlagen - Praxis", 30 September 2000, VIEWEG, ISBN: 978-3-528-14924-6, article ARNOLD RODEWALD: "Abschirmpraxis", pages: 213 - 223, XP055674982, DOI: 10.1007/978-3-663-07950-7_13
• "Elektromagnetische Verträglichkeit Grundlagen - Praxis", 30 September 2000, VIEWEG, ISBN: 978-3-528-14924-6, article ARNOLD RODEWALD: "13.4 Abschirmgehäuse, 14. Filtereinsatz", pages: 224 - 238, XP055747315

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2905888 A1 20150812; CN 105960754 A 20160921; EP 3103186 A1 20161214; RU 2641707 C1 20180122; US 10079528 B2 20180918;
US 2016352187 A1 20161201; WO 2015117843 A1 20150813

DOCDB simple family (application)
EP 14153916 A 20140205; CN 201580006855 A 20150123; EP 15701754 A 20150123; EP 2015051368 W 20150123;
RU 2016135050 A 20150123; US 201515116690 A 20150123