

Title (en)  
Connector for Power Generator Modules

Title (de)  
Steckverbinder für Photovoltaikmodule

Title (fr)  
Connecteur pour modules photovoltaïques

Publication  
**EP 2355268 A1 20110810 (EN)**

Application  
**EP 10153147 A 20100210**

Priority  
EP 10153147 A 20100210

Abstract (en)  
A connector device (1) for connecting a plurality of power generator modules (22) in parallel comprises (i) a first connector (3) having a number of electric contacts, (ii) a second connector (2) fitting the first connector (3) and having the same number of electric contacts as the first connector (3), (iii) at least one cable section (8) extending between the first connector (3) and the second connector (2) and comprising a plurality of leads, (iv) a plurality of electric bus lines, each of the plurality of electric bus lines continuously extending from one of the electric contacts of the first connector (3) up to a corresponding one of the electric contacts (22-26) of the second connector (2), each of the plurality of electric bus lines including one of the plurality of leads of the at least one cable section (8), and the plurality of electric bus lines including at least two electric bus power lines, and (v) a module connector (9) shaped to be accepted by one of the plurality of power generator modules (22) and having at least the same number of electric contacts as the first connector (3) and the second connector (2), each of the electric contacts of the module connector (9) being electrically connected to one of the plurality of electric bus lines extending from the first connector (3) up to the second connector (2).

IPC 8 full level  
**H01R 25/00** (2006.01)

CPC (source: EP)  
**H01R 25/003** (2013.01)

Citation (applicant)  
DE 19609189 A1 19970911 - WEBASTO KAROSSERIESYSTEME [DE]

Citation (search report)  
• [A] US 5971799 A 19991026 - SWADE GEORGE [US]  
• [A] GB 2334155 A 19990811 - CHEN NAN CHEN [TW]  
• [X] ANONYMOUS: "Product catalog: Flex portable solar chargers", April 2009 (2009-04-01), XP002590415, Retrieved from the Internet <URL:http://www.globalsolar.com/index.php?option=com\_rubberdoc&view=doc&id=47&format=raw> [retrieved on 20100706]  
• [X] ANONYMOUS: "PowerFilm Operating Instructions", 9 June 2003 (2003-06-09), XP002590416, Retrieved from the Internet <URL:http://www.affordable-solar.com/admin/product\_doc/Doc\_powerfilm%20instructions\_20060519164146.pdf> [retrieved on 20100706]

Cited by  
KR20160020507A; CN105594119A; CN111435796A; US11018623B2; EP3229332A1; CN107276526A; EP3687020A1; CN113992147A; WO2014198856A1; WO2023227705A1; WO2014056883A1; US10637393B2; US11476799B2; US9853565B2; US10992238B2; US9853490B2; US9960731B2; US11579235B2; US11961922B2; US9876430B2; US10673229B2; US11070051B2; US11489330B2; US9948233B2; US10097007B2; US11063440B2; US11962243B2; US9923516B2; US10184965B2; US10381977B2; US11183968B2; US11598652B2; US11620885B2; US10461687B2; US10468878B2; US10693415B2; US11183969B2; US11296650B2; US11424616B2; US11264947B2; US11687112B2; US11894806B2; US9831824B2; US9979280B2; US10230310B2; US10644589B2; US11183923B2; US11693080B2; US9866098B2; US10007288B2; US10666125B2; US11205946B2; US11881814B2; US9869701B2; US10447150B2; US10673222B2; US10931228B2; US10969412B2; US11183922B2; US11349432B2; US11867729B2; US12003215B2; US9960667B2; US10116217B2; US10516336B2; US11031861B2; US11309832B2; US11575260B2; US11575261B2; US11594968B2; US11594882B2; US11594881B2; US11594880B2; US11658482B2; US11735910B2; DE202012103480U1; DE102012103789A1; US10115841B2; US10396662B2; US10778025B2; US10931119B2; US11177663B2; US11177668B2; US11201476B2; US11728768B2; US11870250B2; US11979037B2; US12003107B2; US9812984B2; US9966766B2; US10230245B2; US10608553B2; US10651647B2; US10673253B2; US11043820B2; US11424617B2; US11682918B2; US11888387B2; US11929620B2

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2355268 A1 20110810**

DOCDB simple family (application)  
**EP 10153147 A 20100210**