

Title (en)

LED-BASED SOLAR SIMULATOR SYSTEM AND METHOD OF USE

Title (de)

LED-BASIERTES SONNENSIMULATORSYSTEM UND VERFAHREN ZUR VERWENDUNG

Title (fr)

SYSTÈME DE SIMULATEUR SOLAIRE À BASE DE DEL ET SON PROCÉDÉ D'UTILISATION

Publication

**EP 3047201 A1 20160727 (EN)**

Application

**EP 14849879 A 20140927**

Priority

- US 201361884043 P 20130928
- US 2014057924 W 20140927

Abstract (en)

[origin: WO2015048591A1] The present application discloses a LED-based solar simulator light source having at least one LED array formed by multiple LED groups of LED assemblies, at least one field flattening device, at least one diffractive element, and at least one optical element configured to condition the broad spectrum light source output signal and direct the light source output signal to a work surface.

IPC 8 full level

**F21S 2/00** (2016.01); **G05B 17/00** (2006.01)

CPC (source: EP KR US)

**F21S 8/006** (2013.01 - EP KR US); **F21V 5/045** (2013.01 - KR); **G01J 1/0422** (2013.01 - KR); **G01J 1/08** (2013.01 - EP KR); **G02B 27/1006** (2013.01 - EP KR); **H02S 50/10** (2014.12 - EP KR); **F21V 5/045** (2013.01 - EP US); **F21Y 2113/13** (2016.07 - EP KR); **F21Y 2115/10** (2016.07 - EP KR US); **G01J 1/0422** (2013.01 - EP); **G01J 2001/4266** (2013.01 - EP KR); **Y02E 10/50** (2013.01 - EP)

Cited by

DE102017128582A1

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)

**WO 2015048591 A1 20150402**; AU 2014324609 A1 20160421; AU 2014324609 B2 20181004; CN 105765294 A 20160713; EP 3047201 A1 20160727; EP 3047201 A4 20170920; JP 2017501528 A 20170112; JP 6543618 B2 20190710; KR 20160063350 A 20160603

DOCDB simple family (application)

**US 2014057924 W 20140927**; AU 2014324609 A 20140927; CN 201480064956 A 20140927; EP 14849879 A 20140927; JP 2016518123 A 20140927; KR 20167010333 A 20140927