

Title (en)
SOLAR ENERGY HARVESTING SYSTEM

Title (de)
SYSTEM ZUR GEWINNUNG VON SOLARENERGIE

Title (fr)
SYSTÈME DE COLLECTE D'ÉNERGIE SOLAIRE

Publication
EP 3167232 A1 20170517 (EN)

Application
EP 15730771 A 20150619

Priority
• CH 10532014 A 20140711
• EP 2015063849 W 20150619

Abstract (en)
[origin: WO2016005169A1] Disclosed is a solar harvesting system, including: a) at least one solar harvesting pontoon (1), the solar harvesting pontoon (1) including: a peripheral frame structure (10); a platform (12), the platform spanning a pontoon area; wherein a bottom side of the platform (12) and a liquid surface (S) of the liquid reservoir serve as delimiting top surface and delimiting bottom surface of a gastight containment when the at least one solar harvesting pontoon (1) floats on the liquid reservoir, the gastight containment enclosing an enclosed volume (V); a solar harvesting arrangement (11), the solar harvesting arrangement (11) being arranged on or above a top side of the platform (12); b) a gas supply unit (2); c) a gas feeding system with at least one gas supply aperture (30)) for feeding gas into the enclosed volume (V), thus generating an overpressure inside the enclosed volume (V), the overpressure suspending the at least one solar harvesting pontoon (1). Disclosed is further a method for operating a solar harvesting system.

IPC 8 full level
F24J 2/52 (2006.01); **B63B 35/44** (2006.01); **F24S 90/00** (2018.01)

CPC (source: EP US)
B63B 7/08 (2013.01 - EP US); **B63B 35/44** (2013.01 - EP US); **F24S 20/70** (2018.04 - EP US); **B63B 1/041** (2013.01 - EP); **B63B 2035/4453** (2013.01 - EP); **F24S 30/425** (2018.04 - EP US); **Y02E 10/47** (2013.01 - EP)

Citation (search report)
See references of WO 2016005169A1

Citation (examination)
WO 2013006881 A1 20130117 - UNIV WIEN TECH [AT], et al

Cited by
FR3084052A1

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)
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EP 2015063849 W 20150619; CH 10532014 A 20140711; EP 15730771 A 20150619; MA 40282 A 20150619