

Title (en)  
SOLAR COLLECTOR

Title (de)  
SONNENKOLLEKTOR

Title (fr)  
CAPTEUR SOLAIRE

Publication  
**EP 2622249 A1 20130807 (EN)**

Application  
**EP 11827815 A 20110927**

Priority  
• AU 2010904343 A 20100927  
• AU 2011001243 W 20110927

Abstract (en)  
[origin: WO2012040778A1] A solar collector for heating and transferring fluids, comprising an inlet manifold and an outlet manifold through which fluid is respectively transferred into and out of the solar collector; and 5 a plurality of polymer tubes each connected between the inlet and outlet manifolds, the polymer tubes having co-extruded concentric inner and outer tube layers, wherein the outer tube layer is composed of a harder polymer than the inner tube layer.

IPC 8 full level  
**F16L 9/14** (2006.01); **B29C 48/09** (2019.01); **B29C 48/11** (2019.01); **B29C 48/21** (2019.01); **B29D 23/18** (2006.01); **F16L 9/18** (2006.01); **F16L 11/04** (2006.01); **F16L 11/20** (2006.01); **F24J 2/46** (2006.01); **F24S 10/70** (2018.01)

CPC (source: EP US)  
**B29C 48/09** (2019.01 - EP US); **B29C 48/11** (2019.01 - EP US); **B29C 48/21** (2019.01 - EP US); **F16L 9/133** (2013.01 - EP US); **F16L 11/04** (2013.01 - EP US); **F24S 10/73** (2018.04 - EP US); **F24S 10/742** (2018.04 - EP US); **F24S 10/753** (2018.04 - EP US); **F24S 70/14** (2018.04 - EP US); **F24S 70/275** (2018.04 - EP US); **F24S 80/10** (2018.04 - EP US); **B29L 2031/601** (2013.01 - EP US); **F24S 2080/05** (2018.04 - EP US); **F28F 2255/16** (2013.01 - EP US); **Y02E 10/44** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012040778A1

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 2012040778 A1 20120405**; AU 2011308081 A1 20130404; EP 2622249 A1 20130807; US 2013186388 A1 20130725

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**AU 2011001243 W 20110927**; AU 2011308081 A 20110927; EP 11827815 A 20110927; US 201113824354 A 20110927