

Title (en)
A COMPOSITE INSULATING PANEL

Title (de)
VERBUNDISOLIERPLATTE

Title (fr)
PANNEAU ISOLANT COMPOSITE

Publication
EP 2027350 A1 20090225 (EN)

Application
EP 07736113 A 20070612

Priority
• IE 2007000057 W 20070612
• IE 20060443 A 20060613
• IE 20070145 A 20070306

Abstract (en)
[origin: GB2439191A] A composite insulating panel 17 comprises a first sheet 2 and a second sheet 4 enclosing insulating foam between them and having heat collecting means within the panel for transfer of heat from one source to another. The first sheet may be a profiled outer sheet having a plurality of raised crowns 3 of generally trapezoidal form and the second sheet may be an inner liner sheet. There may be inner conduits 21 through which a heat transfer medium is circulated to extract heat from inside a building and outer conduits 8 for collection of solar heat 9. The panel 17 may be used as part of a heating/cooling/ventilation system.

IPC 8 full level
E04C 2/52 (2006.01); **F24D 3/16** (2006.01); **F24D 5/10** (2006.01)

CPC (source: EP GB US)
E04C 2/292 (2013.01 - GB); **E04C 2/322** (2013.01 - GB); **E04C 2/525** (2013.01 - EP US); **E04D 3/352** (2013.01 - EP GB US); **E04D 3/355** (2013.01 - EP US); **E04D 3/357** (2013.01 - EP US); **E04D 3/358** (2013.01 - EP US); **F24S 20/66** (2018.04 - EP US); **F24S 20/67** (2018.04 - EP US); **F24S 70/60** (2018.04 - EP US); **F24S 80/60** (2018.04 - EP US); **Y02A 30/60** (2017.12 - EP US); **Y02B 10/20** (2013.01 - EP US); **Y02E 10/40** (2013.01 - EP); **Y02E 10/44** (2013.01 - US)

Citation (search report)
See references of WO 2007144863A1

Cited by
CN110863619A

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Designated extension state (EPC)
AL BA HR MK RS

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GB 0711248 D0 20070718; **GB 2439191 A 20071219**; **GB 2439191 B 20110427**; AU 2007258786 A1 20071221; CA 2654373 A1 20071221; EP 2027350 A1 20090225; IE 20070416 A1 20080206; US 2009236074 A1 20090924; WO 2007144863 A1 20071221

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GB 0711248 A 20070612; AU 2007258786 A 20070612; CA 2654373 A 20070612; EP 07736113 A 20070612; IE 2007000057 W 20070612; IE 20070416 A 20070612; US 22785507 A 20070612