

Title (en)
PHASE CHANGE MATERIAL COMPOSITION

Title (de)
LATENZWÄRMESPEICHERMATERIAL

Title (fr)
COMPOSITION DE MATÉRIAU À CHANGEMENT DE PHASE

Publication
EP 2396379 A1 20111221 (EN)

Application
EP 10710097 A 20100211

Priority
• GB 2010050223 W 20100211
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Abstract (en)
[origin: GB2476427A] A transportable PCM (phase change material) module comprises a number of PCM packs; a housing for thermally insulating said number of PCM packs from a module's surrounding medium; spaces separating said packs and forming one or more channels for the flow of a fluid; said housing incorporating a fluid inlet and a fluid outlet; whereby, in use, fluid flows through said channels from said inlet to said outlet. A PCM (phase change material) pack comprises a laminate of a first conducting panel and a second conducting panel enclosing a portion formed primarily of PCM; wherein said portion of PCM incorporates thermal conductors. A PCM (phase change material pack) comprises an envelope of relatively highly thermally conductive material enclosing a portion formed primarily of PCM; wherein said PCM portion incorporates a conductive compound mixed into said PCM which comprises carbon black particles.

IPC 8 full level
C09K 5/06 (2006.01); **F24F 5/00** (2006.01); **F28D 20/02** (2006.01)

CPC (source: EP GB)
C09K 5/063 (2013.01 - EP GB); **F24F 5/00** (2013.01 - GB); **F24F 5/0017** (2013.01 - EP); **F24F 5/0021** (2013.01 - EP); **F24F 5/0035** (2013.01 - EP); **F24F 5/0042** (2013.01 - EP); **F28D 20/02** (2013.01 - GB); **F28D 20/021** (2013.01 - EP); **Y02B 30/54** (2013.01 - EP); **Y02E 60/14** (2013.01 - EP); **Y02P 20/10** (2015.11 - EP)

Citation (examination)
PRADYOT PATNAIK ET AL: "Handbook of Inorganic Chemicals Library of Congress Cataloging-in-Publication Data", 1 January 2002 (2002-01-01), pages 162, XP055094441, ISBN: 978-0-07-049439-8, Retrieved from the Internet <URL:https://archive.org/stream/Handbook_of_Inorganic_Chemistry_Patnaik/Handbook_of_Inorganic_Chemistry_Patnaik_djvu.txt> [retrieved on 20131219]

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CN113175174A; EP4123254A4

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