

Title (en)

METHOD FOR PRODUCING A LATENT HEAT STORAGE MATERIAL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES LATENTWÄRME-SPEICHERMATERIALS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN MATÉRIAU D'ACCUMULATION DE CHALEUR LATENTE

Publication

**EP 2158286 A1 20100303 (DE)**

Application

**EP 08750332 A 20080516**

Priority

- EP 2008056068 W 20080516
- DE 102007023315 A 20070516

Abstract (en)

[origin: WO2008138990A1] The invention relates to a method for producing a latent heat storage material from a graphitic starting material selected from the group consisting of natural graphite, expanded graphite, and/or graphite fibers, and from a phase-changing material selected from the group consisting of sugar alcohols, water, organic acids and the mixtures thereof, aqueous salt solutions, salt hydrates, mixtures of salt hydrates, salt hydrates with paraffins, inorganic and organic salts and eutectic salt mixtures, clathrates and alkali metal hydroxides, as well as mixtures of these materials, for which the graphitic starting material is treated with a plasma before being impregnated with the phase-changing material. The invention further relates to a method for producing a latent heat storage material and to a latent heat storage material produced according to the method.

IPC 8 full level

**C09K 5/06** (2006.01); **C01B 31/04** (2006.01); **F28D 20/00** (2006.01)

CPC (source: EP US)

**C01B 32/225** (2017.07 - EP US); **C09K 5/063** (2013.01 - EP US); **F28D 20/023** (2013.01 - EP US); **Y02E 60/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2008138990A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**DE 102007023315 B3 20081016**; CN 101802126 A 20100811; EP 2158286 A1 20100303; US 2010116457 A1 20100513; WO 2008138990 A1 20081120

DOCDB simple family (application)

**DE 102007023315 A 20070516**; CN 200880019349 A 20080516; EP 08750332 A 20080516; EP 2008056068 W 20080516; US 61493409 A 20091109