

Title (en)
Hot water tank

Title (de)
Warmwasserspeicher

Title (fr)
Accumulateur d'eau chaude

Publication
EP 2700886 A3 20160907 (DE)

Application
EP 13180275 A 20130813

Priority
AT 9112012 A 20120823

Abstract (en)
[origin: EP2700886A2] The hot water tank (1) has a storage container (2) which is surrounded by a thermal insulation (4) and a vacuum-insulation-panel (3), where the vacuum-insulation-panel is made from a microporous material, particularly silica. The vacuum-insulation-panel is wrapped, evacuated and sealed in a film, particularly a gas- and water vapor-proof multi-layer composite film. The microporous material is attached to an infrared opacifier and to a lower proportion of organic cellulose fibers. An independent claim is included for a method for thermally insulating a hot water tank.

IPC 8 full level
F24H 1/18 (2006.01)

CPC (source: EP)
F24H 1/182 (2013.01)

Citation (search report)

- [XY] FR 2803652 A1 20010713 - ELECTRICITE DE FRANCE [FR]
- [XY] EP 1840482 A2 20071003 - TEUFEL ARNOLD [AT]
- [Y] JP 2005307995 A 20051104 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] DE 102007056837 A1 20090528 - HAMBERGER MICHAEL [DE]
- [Y] DE 102008026529 A1 20091210 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by
IT202100010325A1; JP2016125800A; DE202016102001U1; EP3705805A1; DE102019001629A1; DE102017114810A1

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)
EP 2700886 A2 20140226; EP 2700886 A3 20160907

DOCDB simple family (application)
EP 13180275 A 20130813