

Title (en)
Heat accumulator

Title (de)
Wärmespeicher

Title (fr)
Accumulateur thermique

Publication
EP 2711600 A3 20180110 (DE)

Application
EP 13179051 A 20130802

Priority

- DE 102012107063 A 20120802
- DE 102012107062 A 20120802
- DE 102012107124 A 20120803

Abstract (en)
[origin: EP2711600A2] The heat accumulator (1) has a pressure vessel (4) which is arranged with heat storage material (3). The thermal insulating layer (2) is arranged between heat storage material and pressure vessel wall (7). The thermally insulating layer is made of insulating material having porosity from 20-80 volume percent. The insulating material is maintained at temperature up to 650[deg] C in solid form. The insulating material is made of expanded clay, expanded glass, foam glass, expanded shale, crushed bricks, blast furnace slag, sintered fly ash, expanded perlite, pumice or lava slag.

IPC 8 full level
F17C 1/00 (2006.01)

CPC (source: EP)
F17C 1/00 (2013.01); **F17C 2201/0104** (2013.01); **F17C 2201/052** (2013.01); **F17C 2201/06** (2013.01); **F17C 2203/012** (2013.01); **F17C 2203/013** (2013.01); **F17C 2203/015** (2013.01); **F17C 2203/03** (2013.01); **F17C 2203/0329** (2013.01); **F17C 2203/0337** (2013.01); **F17C 2203/0341** (2013.01); **F17C 2203/0345** (2013.01); **F17C 2203/0604** (2013.01); **F17C 2203/0609** (2013.01); **F17C 2203/0626** (2013.01); **F17C 2203/0629** (2013.01); **F17C 2203/0631** (2013.01); **F17C 2203/0636** (2013.01); **F17C 2203/0639** (2013.01); **F17C 2203/0658** (2013.01); **F17C 2203/0663** (2013.01); **F17C 2203/0675** (2013.01); **F17C 2203/0678** (2013.01); **F17C 2209/232** (2013.01); **F17C 2209/238** (2013.01); **F17C 2221/031** (2013.01); **F17C 2223/0123** (2013.01); **F17C 2250/0631** (2013.01); **F17C 2260/026** (2013.01)

Citation (search report)

- [I] WO 2011066039 A1 20110603 - GEN ELECTRIC [US], et al
- [A] US 2011100583 A1 20110505 - FREUND SEBASTIAN W [DE], et al
- [A] DE 3545622 A1 19870625 - AKTIONSGEMEINSCHAFT M U T E V [DE]
- [A] US 3894372 A 19750715 - ROBERTS WILLIAM MELCHIOR, et al

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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

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