

Title (en)

IMPROVED SYSTEM FOR STORING AND HARVESTING ENERGY

Title (de)

VERBESSERTES SYSTEM ZUR SPEICHERUNG UND GEWINNUNG VON ENERGIE

Title (fr)

SYSTEME DE STOCKAGE ET DE RECUPERATION D'ENERGIE AMELIORE

Publication

EP 3724471 A1 20201021 (FR)

Application

EP 18799554 A 20181114

Priority

- FR 1761917 A 20171211
- EP 2018081167 W 20181114

Abstract (en)

[origin: WO2019115119A1] The invention relates to a system and to a method for storing and harvesting energy using compressed gas, comprising at least one first and at least one second heat exchanger, a means for storing cold liquid and the means for storing hot liquid. The first heat exchangers comprise at least one indirect-contact heat exchanger and at least one second heat exchanger is a direct-contact heat exchanger.

IPC 8 full level

F02C 6/16 (2006.01); **F02C 1/04** (2006.01); **F02C 7/143** (2006.01)

CPC (source: EP US)

F02C 1/04 (2013.01 - EP); **F02C 6/16** (2013.01 - EP); **F02C 7/143** (2013.01 - EP); **F15B 1/027** (2013.01 - US); **H02J 15/006** (2013.01 - US); **F05D 2260/211** (2013.01 - EP); **F05D 2260/213** (2013.01 - EP); **F28D 20/0034** (2013.01 - US); **Y02E 60/16** (2013.01 - EP); **Y02T 50/60** (2013.01 - EP)

Citation (search report)

See references of WO 2019115119A1

Designated contracting state (EPC)

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FR 3074845 A1 20190614; **FR 3074845 B1 20200612**; CN 111448376 A 20200724; EP 3724471 A1 20201021; US 2021164496 A1 20210603; WO 2019115119 A1 20190620

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