

Title (en)

HEAT EXCHANGER FOR MOLTEN SALT STEAM GENERATOR IN CONCENTRATED SOLAR POWER PLANT

Title (de)

WÄRMETAUSCHER FÜR SALZSCHMELZEDAMPFERZEUGER IN KRAFTWERK MIT KONZENTRIERTER SOLARKRAFT

Title (fr)

ÉCHANGEUR DE CHALEUR POUR GÉNÉRATEUR DE VAPEUR DE SEL FONDU DANS UNE CENTRALE À ÉNERGIE SOLAIRE CONCENTRÉE

Publication

EP 3406998 B1 20201104 (EN)

Application

EP 17172695 A 20170524

Priority

EP 17172695 A 20170524

Abstract (en)

[origin: EP3406998A1] A hairpin heat exchanger (1), wherein the bundle of parallel U-bent tubes (2) is extended out of the exchanger and connected, via bent tubes (11), respectively beyond an end of the internal shell (3) and of the external shell (4) at the first straight section to a first header (9) distributing the first fluid to the bundle of straight tubes (2) and beyond an end of the internal shell (3) and of the external shell (4) at the second straight section to a second header (10) collecting the first fluid under the form of liquid, vapor or a mixture liquid /vapor from the bundle of straight tubes (2).

IPC 8 full level

F01K 25/00 (2006.01); **F22B 1/00** (2006.01); **F22B 1/06** (2006.01); **F22B 17/02** (2006.01); **F28D 7/06** (2006.01); **F28D 21/00** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP IL KR US)

F22B 1/006 (2013.01 - EP IL US); **F22B 1/06** (2013.01 - IL US); **F22B 17/025** (2013.01 - EP IL US); **F28D 7/06** (2013.01 - EP IL KR); **F28F 9/22** (2013.01 - EP IL); **F22B 1/006** (2013.01 - KR); **F22B 1/06** (2013.01 - EP KR); **F22B 17/025** (2013.01 - KR); **F28D 7/06** (2013.01 - US); **F28D 2021/0064** (2013.01 - EP IL KR US); **F28F 9/22** (2013.01 - KR US); **F28F 2009/222** (2013.01 - EP IL KR); **F28F 2009/226** (2013.01 - IL US); **F28F 2009/228** (2013.01 - EP IL KR)

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