

Title (en)

COMPOUND HEAT EXCHANGE EVAPORATIVE CONDENSER OF BOARD PIPE

Title (de)

ZUSAMMENGESETZTER WÄRMEAUSTAUSCHVERDAMPFUNGSKONDENSATOR EINES PLATTENROHRS

Title (fr)

CONDENSEUR PAR ÉVAPORATION ET ÉCHANGE DE CHALEUR COMBINÉ À ENSEMBLE CANALISATION

Publication

**EP 3252416 A4 20180103 (EN)**

Application

**EP 15879571 A 20150612**

Priority

- CN 201510045303 A 20150128
- CN 2015081392 W 20150612

Abstract (en)

[origin: US2017276437A1] The present invention discloses a combined plate-and-tube heat exchange evaporative condenser, which comprises a fan, a water pump, a water sprayer, a reservoir and a combined plate-and-tube heat exchanger; the combined plate-and-tube heat exchanger is composed of a plurality of combined plate-and-tube heat exchange pieces connected by inlet headers and outlet headers; the combined plate-and-tube heat exchange piece comprises a heat transfer plate and a serpentine tube machined by the heat exchange tube; the heat transfer plate is provided with a groove, and the shape of the groove is matched with that of the serpentine tube; the serpentine tube is disposed in the groove, and a gap between the serpentine tube and the groove is filled with a thermally conductive adhesive layer.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [A] EP 1443293 A2 20040804 - KANG KYEONG-HWA [KR]
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- [A] FR 2732450 A1 19961004 - ABB FLAKT [FR]
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Designated contracting state (EPC)

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DOCDB simple family (application)

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