

Title (en)

Feed-water heater.

Title (de)

Speisewasservorwärmer.

Title (fr)

Réchauffeur d'eau d'alimentation.

Publication

EP 0123986 A1 19841107 (DE)

Application

EP 84104151 A 19840412

Priority

CH 230883 A 19830429

Abstract (en)

[origin: ES8503817A1] In a feed water preheater of horizontal type with an integrated desuperheater, the last deflection chamber of the desuperheater is provided with lateral steam outlet ports (13). As a result, the desuperheated steam does not reach the condensation zone directly as hitherto by passing into the free cross-section of the tube bundle but, instead, it passes into the free space surrounding the condensation bundle (2) on which it can then act from the outside inwards at minimum flow velocity.

Abstract (de)

Bei einem Speisewasservorwärmer der liegenden Bauart mit integriertem Enthitzer ist die letzte Umlenkammer des Enthitzers mit seitlichen Dampfaustrittsöffnungen (13) versehen. Hierdurch gelangt in die Kondensationszone der enthitzte Dampf nicht wie bisher direkt in den freien Querschnitt des Rohrbündels, sondern in den freien Raum um das Kondensationsbündel (2) herum, welches er dann mit minimaler Strömungsgeschwindigkeit von aussen nach innen beaufschlagen kann.

IPC 1-7

F22D 1/32

IPC 8 full level

F22D 1/32 (2006.01)

CPC (source: EP US)

F22D 1/32 (2013.01 - EP US)

Citation (search report)

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- [A] FR 946944 A 19490617 - DELAS CONDENSEURS
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Cited by

EP0735317A1; RU177310U1; RU2674816C1; US5067446A; RU2670999C2

Designated contracting state (EPC)

CH DE FR IT LI SE

DOCDB simple family (publication)

EP 0123986 A1 19841107; EP 0123986 B1 19861112; AU 2729684 A 19841101; AU 560111 B2 19870326; CA 1255169 A 19890606; DE 3461332 D1 19870102; DK 159024 B 19900820; DK 159024 C 19910128; DK 209584 A 19841030; DK 209584 D0 19840426; ES 532002 A0 19850301; ES 8503817 A1 19850301; HU 191759 B 19870428; HU T38141 A 19860428; PL 143578 B1 19880229; PL 247444 A1 19850102; RO 89632 A 19860630; US 4541366 A 19850917; ZA 843150 B 19841224

DOCDB simple family (application)

EP 84104151 A 19840412; AU 2729684 A 19840426; CA 452904 A 19840426; DE 3461332 T 19840412; DK 209584 A 19840426; ES 532002 A 19840427; HU 166884 A 19840427; PL 24744484 A 19840427; RO 11440584 A 19840427; US 60331484 A 19840424; ZA 843150 A 19840427