

Title (en)

Modular tube bundle for a vapour condenser, and vapour condenser using such a bundle.

Title (de)

Modular-Röhrenbündel für Dampfkondensator und Dampfkondensator mit einem solchen Bündel.

Title (fr)

Faisceau tubulaire modulaire pour condenseur de vapeur et condenseur de vapeur en faisant application.

Publication

**EP 0128452 A1 19841219 (FR)**

Application

**EP 84106106 A 19840529**

Priority

FR 8309229 A 19830603

Abstract (en)

[origin: ES8503121A1] A modular bundle of tubes for a steam condenser comprises two perforated plates (24, 25), a series of tubes (22) interconnecting the perforated plates, and a set of intermediate supporting plates (23) distributed between the two perforated plates. The improvement wherein both perforated plates are the same size, each being surrounded by a reinforcing frame (24, 25) which is thicker than the perforated plate, and wherein drawbars (26) fitted with length-adjusting means (27) interconnect the perforated plates, said drawbars being fixed to said frames and being distributed along the said frames.

Abstract (fr)

Faisceau tubulaire modulaire pour condenseur de vapeur comprenant deux plaques tubulaires (24, 25), une série de tubes (22) reliant les deux plaques tubulaires et un ensemble de plaques entretoises supports (23) réparties entre les deux plaques tubulaires, caractérisé en ce que les deux plaques tubulaires ont la même dimension, chacune étant entourée d'un cadre renfort (24, 25) plus épais que ladite plaque tubulaire et en ce que des tirants (26), pourvus de moyens de réglage (27) de leur longueur, réunissent les deux plaques tubulaires, lesdits tirants étant fixés sur lesdits cadres et répartis le long des cadres.

IPC 1-7

**F28B 1/00; F28D 7/00**

IPC 8 full level

**B23P 15/26** (2006.01); **F28B 1/02** (2006.01); **F28D 7/16** (2006.01); **F28F 9/013** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP KR US)

**F28B 1/02** (2013.01 - EP KR US); **F28D 7/16** (2013.01 - EP US); **F28F 9/0131** (2013.01 - EP US); **F28F 9/0219** (2013.01 - EP US);  
**F28F 2275/20** (2013.01 - EP US); **F28F 2275/205** (2013.01 - EP US); **Y10S 165/906** (2013.01 - EP US)

Citation (search report)

- US 2237903 A 19410408 - DRAKE ROBERT W
- FR 420242 A 19110125 - PAULINE THOLER [FR]
- US 2401889 A 19460611 - ERNEST SMITH J
- FR 1211918 A 19600318 - FOSTER WHEELER LTD
- FR 2126323 A1 19721006 - SANNE ET WENDEL AS

Cited by

FR3044395A1; EP1126227A1; WO0131277A1; US6360543B2; US8196644B1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0128452 A1 19841219; EP 0128452 B1 19861203; CA 1271377 A 19900710; DE 3461562 D1 19870115; ES 533065 A0 19850201;**  
ES 8503121 A1 19850201; FR 2547035 A1 19841207; FR 2547035 B1 19870626; JP H0228791 B2 19900626; JP S6141885 A 19860228;  
KR 850000655 A 19850228; KR 930000654 B1 19930129; US 4559996 A 19851224

DOCDB simple family (application)

**EP 84106106 A 19840529; CA 455675 A 19840601; DE 3461562 T 19840529; ES 533065 A 19840601; FR 8309229 A 19830603;**  
JP 11289984 A 19840601; KR 840003050 A 19840601; US 61518884 A 19840530