

Title (en)

Pipe support with integrated cleaning device

Title (de)

Rohrabstützung mit integrierter Reinigungseinrichtung

Title (fr)

Support de tube doté d'un dispositif de nettoyage intégré

Publication

EP 1923652 A3 20120530 (DE)

Application

EP 07021545 A 20071106

Priority

DE 102006053812 A 20061115

Abstract (en)

[origin: EP1923652A2] The heat exchanger, of tube bundles, has distributors (22a-22c) inserted into the passages between the tubes (12). A cleaning medium flows through the hollow interior (30) of the distributors. Horizontal supports (26b), thinner than the spaces between neighboring tubes, hold the distributors in place between the tubes. The supports can be rotated into a vertical position (26'b) to remove the distributors from the tubular structure.

IPC 8 full level

F28F 9/013 (2006.01); **F28G 9/00** (2006.01)

CPC (source: EP)

F28F 9/0132 (2013.01); **F28G 9/00** (2013.01)

Citation (search report)

- [AD] DE 19515291 A1 19961031 - GEA LUFTKUEHLER HAPPEL GMBH [DE]
- [AD] US 5186240 A 19930216 - KENNON DOUGLAS D [US], et al
- [AD] DE 6606681 U 19701119 - HEINRICH HABERMANN FA [DE]
- [AD] DE 1948739 U 19661103 - HOECHST AG [DE]
- [A] EP 1508764 A2 20050223 - MOERITZ MARTIN DR-ING [DE], et al
- [A] DE 1027701 B 19580410 - LICENTIA GMBH

Cited by

CN114152114A; CN117804253A; US10048012B2; WO2011003717A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1923652 A2 20080521; **EP 1923652 A3 20120530**; **EP 1923652 B1 20160224**; DE 102006053812 A1 20080521; DE 102006053812 B4 20080814; PL 1923652 T3 20160930

DOCDB simple family (application)

EP 07021545 A 20071106; DE 102006053812 A 20061115; PL 07021545 T 20071106