Title (en)

DEVICE FOR SUPPORTING ESSENTIALLY HORIZONTALLY EXTENDING PIPES

Title (de)

VORRICHTUNG ZUR AUFLAGERUNG VON IM WESENTLICHEN HORIZONTAL VERLAUFENDEN ROHREN

Title (fr)

DISPOSITIF DESTINE AU SUPPORT DE TUBES S'ETENDANT SENSIBLEMENT HORIZONTALEMENT

Publication

EP 0979381 A2 20000216 (DE)

Application

EP 98905137 A 19980306

Priority

- AT 9800055 W 19980306
- AT 39097 A 19970307

Abstract (en)

[origin: WO9840685A2] The invention relates to a device for supporting essentially horizontally extending pipes, especially ribbed pipes, which run parallel to one another such as the pipes of a waste heat boiler. The pipes, which are stacked on top of each other, have cylindrical sleeves (3) slid over them at set intervals and are supported via said sleeves on the corresponding sleeves of the pipes beneath. The bottom row sleeves (3) lie on support devices (6, 6') which are connected to a casing by suspension elements (7, 8). Said support devices (6, 6') and suspension elements (7, 8) are configured in such a way that they are at least partly cooled, and said cylindrical sleeves (3, 3') have an annular cross section. The device described exhibits the required resistance to higher temperatures since it is cooled, and also requires little labour to produce.

IPC 1-7

F28F 9/013

IPC 8 full level

F28F 9/013 (2006.01)

CPC (source: EP)

F28F 9/013 (2013.01); **F28F 9/0138** (2013.01)

Designated contracting state (EPC)

AT CH DE FR GR IT LI LU

DOCDB simple family (publication)

WO 9840685 A2 19980917; **WO 9840685 A3 19991209**; AR 010901 A1 20000712; AT E203815 T1 20010815; DE 59801128 D1 20010906; EP 0979381 A2 20000216; EP 0979381 B1 20010801; GR 3037027 T3 20020131; HR P980121 A2 19990228; HR P980121 B1 20011231; HU P0000814 A2 20000828; HU P0000814 A3 20010528; ID 22739 A 19991209; SI 20035 A 20000229

DOCDB simple family (application)

AT 9800055 W 19980306; AR P980101003 A 19980306; AT 98905137 T 19980306; DE 59801128 T 19980306; EP 98905137 A 19980306; GR 20010401897 T 20011026; HR P980121 A 19980306; HU P0000814 A 19980306; ID 990970 A 19980306; SI 9820016 A 19980306