

Title (en)

A fixed rotating device of one element in a tube.

Title (de)

Vorrichtung zur drehbaren Befestigung eines Elements in einem Rohr.

Title (fr)

Dispositif de fixation rotative d'un élément dans un tube.

Publication

EP 0148040 A1 19850710 (FR)

Application

EP 84402231 A 19841107

Priority

FR 8317820 A 19831109

Abstract (en)

[origin: US4595047A] A device for attaching an element for rotation in a tube comprises a conical sleeve, a hook and a link-pin. The link-pin interconnects the hook and the sleeve while permitting rotation of the hook. A particular application of the attachment device is to position an Archimedes' screw in the tubes of a multitubular heat exchanger, a steam condensor or the like. The assembly can be dismantled, if desired, and is adaptable to different tube diameters.

Abstract (fr)

Dispositif de fixation rotative d'un élément dans un tube comprenant un fourreau conique (1), un crochet (3) et un tube tourillon (2). Le tourillon solidarise en traction le crochet et le fourreau tout en autorisant la rotation du crochet. L'ensemble est démontable et adaptable à différents diamètres de tubes. Application à la mise en place de vis d'Archimède dans les tubes d'échangeurs de chaleur pluritubulaires, condenseur de vapeur ou autre.

IPC 1-7

F28G 3/10; **F28F 13/12**

IPC 8 full level

F15D 1/02 (2006.01); **F28F 13/12** (2006.01); **F28G 3/10** (2006.01)

CPC (source: EP US)

F28F 13/125 (2013.01 - EP US); **F28G 3/10** (2013.01 - EP US)

Citation (search report)

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- [A] DE 296285 C
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- [A] DE 457572 C 19280320 - PAUL CIMBOLEK
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EP0233092A1; FR2592924A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

US 4595047 A 19860617; AT E26174 T1 19870415; CA 1227790 A 19871006; DE 3462827 D1 19870430; EP 0148040 A1 19850710; EP 0148040 B1 19870325; ES 291783 U 19860516; ES 291783 Y 19870116; FR 2554520 A1 19850510; FR 2554520 B1 19860502; JP S60122897 A 19850701; ZA 848731 B 19850626

DOCDB simple family (application)

US 66910084 A 19841107; AT 84402231 T 19841107; CA 467378 A 19841108; DE 3462827 T 19841107; EP 84402231 A 19841107; ES 291783 U 19841108; FR 8317820 A 19831109; JP 23421684 A 19841108; ZA 848731 A 19841108