

Title (en)

High pressure tube cleaning device, more particularly for heat exchanger tubes

Title (de)

Hochdruck-Reinigungsvorrichtung zur Reinigung von Rohren eines Wärmetauschers

Title (fr)

Installation de nettoyage sous pression pour tubes, en particulier pour tubes d'échangeur de chaleur

Publication

**EP 0803697 B1 20030102 (DE)**

Application

**EP 97106671 A 19970422**

Priority

DE 19617860 A 19960423

Abstract (en)

[origin: EP0803697A2] The cleaning device includes a jet (13) fitted to a lance (12) through which a cleaning fluid is supplied. The jet can be pushed into the tube with the lance. A positioning device positions and guides the lance to position corresponding to that of the tube. The positioning device can be attached to and released from the tube, directly or indirectly. There is a holding-back device for manual cleaning of the tube, arranged so that when the jet and lance are withdrawn, a mechanical force builds up to prevent the jet coming completely out of the tube.

IPC 1-7

**F28G 1/16**

IPC 8 full level

**B08B 9/053** (2006.01); **F28G 1/16** (2006.01); **F28G 15/02** (2006.01)

CPC (source: EP)

**F28G 1/163** (2013.01); **F28G 15/02** (2013.01)

Cited by

EP1026470A3; EP1669711A1; EA034041B1; CN109013577A; EP0967452A3; EP3601928A4; US7846260B2; US10890390B2; US11460258B2; US11294399B2; US11300981B2; US11327511B2; WO2006116945A1; WO2017064273A1; US11360494B2; US11789471B2; EP3273199A1; DE102014101813A1; US11255621B2; US11262145B2; US10747238B2; US11709507B2; US11733720B2; US11934215B2; EP3362760B1; EP3362760B2

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