

Title (en)
APPARATUS FOR ELECTROPOLISHING THE INNER SURFACES OF TUBES

Publication
EP 0180892 B1 19880831 (DE)

Application
EP 85113706 A 19851028

Priority
DE 3440956 A 19841109

Abstract (en)
[origin: EP0180892A1] 1. Device for electropolishing the inner surface of tubes with an electrode connected to a direct-current supply able to be inserted into the tube to be electropolished and extracted again, the electrode (18) enveloping a tube-like body (20) metallically conductive on its outer surface, able to be connected to an electrolytic supply pump (50), which body carries, on its front end in the plugging-in direction, a stopper (21) sealing in a liquid-tight manner the tube (5) to be electropolished, is equipped in the vicinity of the stopper with at least one outlet opening (27 to 30) and is guided in an axially displaceable manner on a supporting frame (12 to 17) characterized in that the supporting frame (12 to 17) is able to be anchored on the tube plate (1) of the heat exchanger (2) for electropolishing heat exchanger tubes (3 to 6) and that a return motion casing (41) encasing the electrode (18) is guided in a fluid-tight manner on an adapter plate (13) of the supporting frame and is pressed by way of a spring (42) supported on the supporting frame (12 to 17) with a mouth piece (43) against the tube plate (1).

IPC 1-7
C25F 3/16; F28G 9/00

IPC 8 full level
C25F 3/16 (2006.01); **C25F 7/00** (2006.01); **F22B 37/00** (2006.01); **F28G 9/00** (2006.01); **G21F 9/00** (2006.01)

CPC (source: EP)
C25F 3/16 (2013.01); **C25F 7/00** (2013.01); **F22B 37/003** (2013.01); **G21F 9/004** (2013.01)

Cited by
FR2705825A1; GB2208873A; CN107151816A; EP0464264A3; US5225645A; FR2652191A1; EP2610038A4

Designated contracting state (EPC)
BE CH DE FR LI NL SE

DOCDB simple family (publication)
EP 0180892 A1 19860514; **EP 0180892 B1 19880831**; DE 3564708 D1 19881006; ES 548722 A0 19861116; ES 8701243 A1 19861116

DOCDB simple family (application)
EP 85113706 A 19851028; DE 3564708 T 19851028; ES 548722 A 19851108