

Title (en)

CLEANING DEVICE FOR HEAT EXCHANGERS WITH TUBE BUNDLES, PARTICULARLY FOR THE TUBE PLATE AND SPACER PLATE AREA

Publication

EP 0307961 B1 19901227 (DE)

Application

EP 88115337 A 19880919

Priority

DE 8712637 U 19870918

Abstract (en)

[origin: US4844021A] A cleaning device for heat exchangers having tube bundles includes a lance with nozzles to be introduced through an opening in a heat exchanger into a tube bundle in the heat exchanger. A hollow cylinder guides the lance. A flange connected to the hollow cylinder fastens the hollow cylinder at the opening of the heat exchanger. The lance is incrementally advanced. A pivot device for moving the lance includes a motor disposed on the hollow cylinder, a pendulum gear connected to the motor, and a carrier engaging the pendulum gear. The carrier has wheels guided in longitudinal grooves formed in the lance.

IPC 1-7

F22B 37/48; F28G 3/16

IPC 8 full level

F22B 37/48 (2006.01); **F28G 3/16** (2006.01)

CPC (source: EP US)

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Cited by

EP0780627A1; FR2742858A1; US5782255A; GB2468650A; GB2468650B; GB2468651A; GB2468651B; WO2010106491A1

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