

Title (en)

CLEANING BODIES FOR THE INTERNAL CLEANING OF TUBE HEAT EXCHANGERS

Publication

**EP 0041698 B1 19830511 (DE)**

Application

**EP 81104312 A 19810604**

Priority

DE 3021698 A 19800610

Abstract (en)

[origin: US4406031A] Cleaning member for cleaning the interior of heat exchanger tubes by rotating, including a sponge rubber element being adapted to suit the diameter of the heat exchanger tube, and abrasive elements connected to the sponge rubber body, the abrasive elements being in the form of bristles each having a bristle shaft, and a bristle base molded into the sponge rubber ball anchoring the bristles.

IPC 1-7

**F28G 1/12**

IPC 8 full level

**B08B 9/04** (2006.01); **B08B 9/053** (2006.01); **B08B 9/055** (2006.01); **F28G 1/12** (2006.01)

CPC (source: EP US)

**B08B 9/0552** (2013.01 - EP US); **B08B 9/0553** (2013.01 - EP US); **F28G 1/12** (2013.01 - EP US)

Cited by

FR2618698A1; CN101856659A; GB2348938A; GB2348938B; AU739234B2; FR2527326A1; WO2017142869A1; WO2013174603A1; WO2005014767A1; US6276017B1; WO9961178A1

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FR GB IT

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**EP 81104312 A 19810604**; DE 3021698 A 19800610; JP 8796881 A 19810608; US 27182481 A 19810609