

Title (en)

CLEANING BODIES FOR THE INTERNAL CLEANING OF TUBE HEAT EXCHANGERS

Publication

EP 0041700 A3 19820526 (DE)

Application

EP 81104314 A 19810604

Priority

DE 3021697 A 19800610

Abstract (en)

[origin: US4383346A] Cleaning member for cleaning the interior of heat exchanger tubes by rotating, including a sponge rubber body having a given diameter, an adhesive film disposed on the sponge rubber body, and an abrasive layer formed of granular abrasive elements being fastened on the sponge rubber body by the adhesive film, the granular abrasive elements having an average linear dimension being smaller than the given diameter of the sponge rubber body, and the granular abrasive elements being disposed in a loose packing causing the abrasive layer to be deformable together with the sponge rubber body.

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); **F28G 1/12** (2013.01 - EP US)

Citation (search report)

- [Y] FR 1214853 A 19600412 - BERGUERAND & CIE ETS
- [Y] DE 1295933 B 19690522 - MCBEATH KNAPP GEB MCBEATH MARY, et al
- [A] US 3651530 A 19720328 - SCHULTZ RONALD W
- [A] FR 1574368 A 19690711

Cited by

CN101881575A; EP0053355A1; GB2207972A; GB2207972B

Designated contracting state (EPC)

FR GB IT

DOCDB simple family (publication)

EP 0041700 A2 19811216; **EP 0041700 A3 19820526**; **EP 0041700 B1 19830928**; DE 3021697 A1 19820128; DE 3021697 C2 19821111; JP S5726396 A 19820212; JP S6081493 U 19850606; US 4383346 A 19830517

DOCDB simple family (application)

EP 81104314 A 19810604; DE 3021697 A 19800610; JP 8796781 A 19810608; JP 9997484 U 19840702; US 27182381 A 19810609