

Title (en)

Coating for end plates and heat exchanger tubes for cooling medium

Title (de)

Beschichtung für Rohrböden und Kühlmittelrohre von Wärmetauschern

Title (fr)

Revêtement pour plaques tubulaires et tubes de réfrigérant pour échangeurs de chaleur

Publication

**EP 0679853 B1 19971022 (DE)**

Application

**EP 94106304 A 19940422**

Priority

EP 94106304 A 19940422

Abstract (en)

[origin: EP0679853A1] A coating for tube bottoms (A) and incoming/outgoing coolant tubes (B) in heat exchangers, esp. steam condensers, is based on hardening plastic mixt. (I) and is produced by cleaning the substrate surfaces with abrasive, closing the inlets and outlets with removable stoppers, applying  $\geq$  one coat of (I) to (A), hardening the coating, rubbing down, removing the stoppers, injecting  $\geq$  one layer of (I)  $\geq$  at the entrance of (B) and allowing to harden. The coating in the tubes (B) is reactively bonded to the coating on (A) by matching the application times accordingly, and the coating in (B) has a greater elasticity than that on (A), with an elongation at break (DIN 53152) which is  $\geq$  2% higher. Also claimed is the above coating process as such. <IMAGE>

IPC 1-7

**F28F 19/04**

IPC 8 full level

**F28F 19/04** (2006.01)

CPC (source: EP US)

**F28F 19/04** (2013.01 - EP US)

Cited by

DE102005026294A1; DE19654736A1; DE19654736C2; DE102010047589A1; WO2012045466A1; WO2018134302A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

**EP 0679853 A1 19951102; EP 0679853 B1 19971022**; AT E159585 T1 19971115; AU 2215395 A 19951116; AU 681513 B2 19970828; CA 2141069 A1 19951023; CA 2141069 C 19991116; CZ 292699 B6 20031112; CZ 336895 A3 19960717; DE 59404431 D1 19971127; DK 0679853 T3 19980525; ES 2108902 T3 19980101; FI 106744 B 20010330; FI 956189 A0 19951221; FI 956189 A 19960215; MX 9600023 A 19981130; PL 177572 B1 19991231; PL 312222 A1 19960401; RO 116028 B1 20000929; RU 2138752 C1 19990927; US 5820931 A 19981013; WO 9529375 A1 19951102; ZA 953198 B 19960103

DOCDB simple family (application)

**EP 94106304 A 19940422**; AT 94106304 T 19940422; AU 2215395 A 19950404; CA 2141069 A 19950125; CZ 336895 A 19950404; DE 59404431 T 19940422; DK 94106304 T 19940422; EP 9501228 W 19950404; ES 94106304 T 19940422; FI 956189 A 19951221; MX 9600023 A 19960103; PL 31222295 A 19950404; RO 9502263 A 19950404; RU 96102032 A 19950404; US 33062994 A 19941028; ZA 953198 A 19950420