

Title (en)

ARRANGEMENT FOR TREATING THE INNER SURFACE OF A METAL TUBE

Title (de)

VORRICHTUNG ZUR BEHANDLUNG DER INNENOVERFLÄCHE EINES METALLROHRES

Title (fr)

ENSEMBLE SERVANT A TRAITER LA SURFACE INTERNE D'UN TUBE METALLIQUE

Publication

EP 1575715 B1 20071212 (EN)

Application

EP 03775410 A 20031107

Priority

- FI 0300844 W 20031107
- FI 20022025 A 20021114

Abstract (en)

[origin: WO2004043620A1] The invention relates to an arrangement (1) for treating the inner surfaces of metal tubes (2), such as copper tubes, which arrangement includes elements for feeding treatment agent (8) onto the inner surfaces of the metal tubes and means for removing the treatment agent, in which case the arrangement comprises at least one distribution element for feeding the treatment agent, by means of which an essentially equal amount of the treatment agent (8) can be supplied essentially simultaneously onto the inner surfaces of at least two metal tubes.

IPC 8 full level

B08B 9/027 (2006.01); **B08B 9/02** (2006.01); **C23C 2/08** (2006.01); **C23C 2/38** (2006.01); **C23C 6/00** (2006.01); **C23C 18/16** (2006.01); **C23C 18/31** (2006.01); **C23G 3/04** (2006.01); **F26B 21/00** (2006.01)

CPC (source: EP)

B08B 9/0323 (2013.01); **C23C 2/08** (2013.01); **C23C 6/00** (2013.01); **C23C 18/1616** (2013.01); **C23G 3/04** (2013.01); **F26B 21/006** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004043620 A1 20040527; AT E380605 T1 20071215; AU 2003283442 A1 20040603; DE 60318109 D1 20080124; DE 60318109 T2 20081224; DK 1575715 T3 20080421; EA 006913 B1 20060428; EA 200500552 A1 20051229; EP 1575715 A1 20050921; EP 1575715 B1 20071212; ES 2298591 T3 20080516; FI 20022025 A0 20021114; FI 20022025 A 20040515; TW 200500503 A 20050101

DOCDB simple family (application)

FI 0300844 W 20031107; AT 03775410 T 20031107; AU 2003283442 A 20031107; DE 60318109 T 20031107; DK 03775410 T 20031107; EA 200500552 A 20031107; EP 03775410 A 20031107; ES 03775410 T 20031107; FI 20022025 A 20021114; TW 92131057 A 20031106