

Title (en)

Installation for mounting and demounting tube supports in cracking furnaces for the production of olefins

Title (de)

Vorrichtung zur Montage und Demontage von Spaltrohrregistern im Feuerraum eines Olefinanlagen-Krackofens

Title (fr)

Installation pour le montage et le démontage de supports de tubes dans des fours de craquage pour la production d'oléfines

Publication

EP 1162251 A3 20030507 (DE)

Application

EP 01113430 A 20010601

Priority

DE 10028827 A 20000610

Abstract (en)

[origin: EP1162251A2] Apparatus for installing and removing cracking tubes in the firebox of an ethylene plant cracking furnace comprises tubes clamped together and attached to a carrying frame, which is suspended from a lift system comprising a trolley hoist running on a track held flush with the underside of the firebox roof by cables attached to winches through holes in the roof. The lift system is used to move the tubes through a vertical slit in the front wall of the firebox.

IPC 1-7

C10G 9/20; **F28F 11/00**; **B23P 19/02**

IPC 8 full level

B23P 19/02 (2006.01); **C10G 9/20** (2006.01); **F28F 11/00** (2006.01)

CPC (source: EP)

C10G 9/20 (2013.01); **F28F 11/00** (2013.01); **F28F 2280/02** (2013.01)

Citation (search report)

- [A] US 3453087 A 19690701 - HERP HENRY CARL JR, et al
- [A] US 5394837 A 19950307 - TSAI FRANK W [US], et al
- [A] GB 938723 A 19631002 - SHELL INT RESEARCH
- [A] GB 822598 A 19591028 - SIDNEY BORN, et al

Cited by

EP1785219A3; US7419297B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1162251 A2 20011212; **EP 1162251 A3 20030507**; **EP 1162251 B1 20040825**; AT E274564 T1 20040915; CN 1214089 C 20050810; CN 1332226 A 20020123; DE 10028827 A1 20011213; DE 50103372 D1 20040930; ES 2227018 T3 20050401; PT 1162251 E 20050131

DOCDB simple family (application)

EP 01113430 A 20010601; AT 01113430 T 20010601; CN 01118750 A 20010607; DE 10028827 A 20000610; DE 50103372 T 20010601; ES 01113430 T 20010601; PT 01113430 T 20010601