

Title (en)

Process for coating apparatus and parts of apparatus used to make chemical plants

Title (de)

Verfahren zur Beschichtung von Apparaten und Apparateteilen für den chemischen Anlagenbau

Title (fr)

Procédé de revêtement des appareils ou des parties d'appareils utilisés pour la construction d'installations chimiques

Publication

EP 1630251 A3 20060308 (DE)

Application

EP 04022161 A 20040917

Priority

EP 04022161 A 20040917

Abstract (en)

[origin: EP1630251A2] Coating of stainless steel chemical unit equipment and parts where the surface to be coated is pretreated and coated with at least one layer of Ni-P alloy by current-free (sic) deposition from a galvanizing bath. The surface to be coated is pickled with an activator solution at 40-85 [deg] C containing HF or HF salt (10-300 ml), sulfuric acid 1-5 ml), sublimed Fe(III) chloride (1-2 g), Ni chloride (6-12 g), citric acid (10-20 ml) and water.

IPC 8 full level

C23C 18/18 (2006.01); **B01J 19/02** (2006.01); **C23C 18/32** (2006.01); **C23G 1/08** (2006.01)

CPC (source: EP)

C23G 1/088 (2013.01)

Citation (search report)

- [DA] DE 10016215 A1 20011004 - BASF AG [DE]
- [A] WO 0040773 A2 20000713 - BASF AG [DE], et al
- [A] US 3029158 A 19620410 - LEE GARY WARREN G, et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 096 (C - 412) 26 March 1987 (1987-03-26)

Cited by

DE102008014272A1; CN102234810A; DE102014108588B3; DE102014113543A1; DE202014102805U1; DE102008020037A1

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DOCDB simple family (publication)

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