

Title (en)

Process for regenerating hydrochloric acid from pickling installations

Title (de)

Verfahren zur Regenerierung von Salzsäure aus Beizanlagen

Title (fr)

Procédé de régénération d'acide chlorhydrique à partir d'installations de décapage

Publication

EP 0635586 B1 19960612 (DE)

Application

EP 94110417 A 19940705

Priority

AT 144993 A 19930721

Abstract (en)

[origin: EP0635586A1] In order to reduce the pollutants in the exhaust gas of regeneration plants for used hydrochloric acid from pickling plants, a process is provided including the thermal cleavage of iron chloride in the used pickling acid to give iron oxide and gaseous hydrochloric acid, at least one compound being added to the used pickling acid which contains nitrogen having a low oxidation number, for example ammonium compounds, ammonia, urea or amides. <IMAGE>

IPC 1-7

C23G 1/36

IPC 8 full level

G03C 5/395 (2006.01); **C01B 7/01** (2006.01); **C02F 1/02** (2006.01); **C23G 1/36** (2006.01)

CPC (source: EP US)

C23G 1/36 (2013.01 - EP US); **Y10S 423/01** (2013.01 - EP US)

Cited by

DE10006990B4; AT403665B; US6692719B1; WO0238819A3; WO2024132555A2

Designated contracting state (EPC)

BE DE FR IT NL SE

DOCDB simple family (publication)

EP 0635586 A1 19950125; EP 0635586 B1 19960612; AT 399516 B 19950526; AT A144993 A 19941015; DE 59400348 D1 19960718; JP 3531840 B2 20040531; JP H07173657 A 19950711; TW 265322 B 19951211; US 6210650 B1 20010403

DOCDB simple family (application)

EP 94110417 A 19940705; AT 144993 A 19930721; DE 59400348 T 19940705; JP 15847894 A 19940711; TW 83105776 A 19940625; US 28094594 A 19940727