

Title (en)

PRODUCTION OF ELEMENTAL IRON POWDER FROM PICKLING SOLUTIONS

Title (de)

HERSTELLUNG VON ELEMENTAREM EISENPULVER AUS BEIZLÖSUNGEN

Title (fr)

PRODUCTION DE POUDRE DE FER ÉLÉMENTAIRE À PARTIR DE SOLUTIONS DE DÉCAPAGE

Publication

EP 3231537 B1 20200101 (EN)

Application

EP 17162167 A 20170321

Previously filed application

201603891 20160325 TR

Priority

TR 201603891 A 20160325

Abstract (en)

[origin: EP3231537A1] The present invention relates to a process for obtaining pure elemental iron which has high metalization ratio from the acid solutions obtained as a result of solublizing the iron-containing materials or surface treatments which are applied to iron-containing materials, particularly to steel materials and flat steel. In preferred embodiments of the invention, the process further comprises recovery of the acid from the waste acid solutions from the pickling processes.

IPC 8 full level

B22F 1/06 (2022.01); **B22F 9/24** (2006.01); **B22F 9/26** (2006.01); **B22F 9/30** (2006.01); **C23G 1/36** (2006.01)

CPC (source: EP US)

B22F 1/06 (2022.01 - EP US); **B22F 9/30** (2013.01 - EP US); **C23G 1/36** (2013.01 - EP); **B22F 2998/10** (2013.01 - EP); **B22F 2999/00** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3231537 A1 20171018; EP 3231537 B1 20200101; TR 201603891 A2 20171023

DOCDB simple family (application)

EP 17162167 A 20170321; TR 201603891 A 20160325