

Title (en)
METHOD AND FACILITY FOR RECOVERING AT LEAST ONE METAL CONTAINED IN WASTE AND SCRAP FROM INDUSTRIAL PRODUCTS

Title (de)
Verfahren und Einrichtung zur Weitergewinnung von mindestens ein Metall aus Industrieabfällen

Title (fr)
PROCEDE ET INSTALLATION POUR LA RECUPERATION D'AU MOINS UN METAL CONTENU DANS DES DECHETS ET REBUTS DE PRODUITS INDUSTRIELS

Publication
EP 0698126 A1 19960228 (FR)

Application
EP 94916224 A 19940510

Priority
• CH 153993 A 19930521
• EP 9401501 W 19940510

Abstract (en)
[origin: WO9428183A1] This facility comprises an airtight processing vessel (1) with an inlet formed by a lock (2) with an airtight chamber-lock (3) placed between two openable gates (4, 5) and over which is mounted a hopper for loading electric cable sections (7), a pressurized inert gas source (8) connected by two ducts (9, 10) to the processing vessel and to the chamber lock in order to maintain them in an inert gas atmosphere, a heating unit (11, 12, 13, 14) for the vessel in which the waste (15) is combustion-processed, a discharge duct (16) for the fumes produced by the pyrolytic calcination of organic products from the sheathing of the electrical cable sections, including a draught ventilator (17) and connected to the furnace of the heating unit to effect the complete combustion of these fumes, and a cleaning unit (18) for the flue gases from the heating unit. The copper obtained from the electrical cable sections is recovered in a non-oxidized melted form at the outlet (19) of the processing vessel.

IPC 1-7
C22B 1/00; **C22B 7/00**

IPC 8 full level
C22B 1/00 (2006.01); **C22B 7/00** (2006.01); **C22B 15/00** (2006.01)

CPC (source: EP)
C22B 1/005 (2013.01); **C22B 7/003** (2013.01); **C22B 15/0006** (2013.01); **Y02P 10/20** (2015.11)

Citation (search report)
See references of WO 9428183A1

Cited by
DE102006058655A1; EP4039900A1; US11725395B2; US7763345B2; US8021741B2; US8544231B2; US9765530B2; US10486399B2; EP1938963A1; US8071193B2; US10059084B2; US10493731B2; WO2013026559A2; US8728603B2; EP3312362A1; EP4151403A1

Designated contracting state (EPC)
AT BE DE DK ES FR GB IT NL PT SE

DOCDB simple family (publication)
WO 9428183 A1 19941208; CH 686742 A5 19960614; EP 0698126 A1 19960228

DOCDB simple family (application)
EP 9401501 W 19940510; CH 153993 A 19930521; EP 94916224 A 19940510