

Title (en)
Process and device for the separation of fragments of liberated ferrous scrap from not liberated ferrous scrap fragments by means of a static magnet

Title (de)
Verfahren und Gerät zur Trennung von befreiten nicht eisenhaltigen Metallteilchen von befreiten eisenhaltigen Metallteilchen mittels eines statischen Magneten

Title (fr)
Procédé et dispositif de séparation de particules de métaux ferrugineux libérées dans de particules de métaux non-ferrugineux libérées au moyen d'un aimant statique

Publication
EP 1878505 B1 20100616 (EN)

Application
EP 06117130 A 20060713

Priority
EP 06117130 A 20060713

Abstract (en)
[origin: EP2206558A1] The invention relates to a process and device for the separation of fragments of liberated ferrous scrap from not liberated ferrous scrap fragments by means of a static magnet, wherein a mixture of said liberated ferrous and not liberated ferrous fragments is fed onto a continuous conveyor belt which is driven around drums and wherein said magnet is fixed in the drum distant from the feeding point, wherein a magnet is used which is preferably a dipole magnet having magnetic field lines in the separation zone predominantly parallel to the belt surface.

IPC 8 full level
B03C 1/22 (2006.01)

CPC (source: EP)
B03C 1/22 (2013.01)

Cited by
WO2010117271A1; CN106238205A; NL2002736C2; WO2010117273A1; WO2010090517A1; US8678194B2; US8381913B2; US8418855B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1878505 A1 20080116; EP 1878505 B1 20100616; AT E471213 T1 20100715; AT E533560 T1 20111215; DE 602006014960 D1 20100729; DK 1878505 T3 20100927; EP 2206558 A1 20100714; EP 2206558 B1 20111116; ES 2346145 T3 20101011

DOCDB simple family (application)
EP 06117130 A 20060713; AT 06117130 T 20060713; AT 10155597 T 20060713; DE 602006014960 T 20060713; DK 06117130 T 20060713; EP 10155597 A 20060713; ES 06117130 T 20060713