

Title (en)

Magnetic separator for non-ferrous metal particles or pieces.

Title (de)

Magnetscheider für Nichteisenmetall-Teilchen oder -Stücke.

Title (fr)

Séparateur magnétique de particules et morceaux en métal non-ferreux.

Publication

**EP 0439983 B1 19940216 (FR)**

Application

**EP 90440120 A 19901214**

Priority

FR 9001175 A 19900129

Abstract (en)

[origin: EP0439983A2] A magnetic separator (1) for non-ferrous metal particles or pieces (3) comprises a conveyor belt (2) onto which the said particles (3) are unloaded, this conveyor belt (2) being wound, partially, around an active cylindrical casing (5) having a horizontal axis of rotation (8) and inside which is mounted, coaxially, a magnetic system (6). This magnetic separator is characterised in that it comprises means (17, 18) for limiting the partial winding of the conveyor belt (2) about the active cylindrical casing (5) to a zone (20) which is located in the two upper quadrants (20a, 20b) of the periphery of the latter. <IMAGE>

IPC 1-7

**B03C 1/24**

IPC 8 full level

**B03C 1/23** (2006.01); **B03C 1/247** (2006.01)

CPC (source: EP)

**B03C 1/247** (2013.01); **B03C 2201/20** (2013.01)

Cited by

EP1985370A1; US6230897B1; US6467629B1; EP0579966A1; FR2989288A1; EP1875967A4; ES2182716A1; FR2915407A1; US9950324B2; US7785475B2; WO9829190A1; EP2289628A1; EP2644277A2; WO9744137A1; WO9309873A1

Designated contracting state (EPC)

BE DE ES GB IT LU NL

DOCDB simple family (publication)

**EP 0439983 A2 19910807**; **EP 0439983 A3 19911106**; **EP 0439983 B1 19940216**; DE 69006710 D1 19940324; DE 69006710 T2 19940707; ES 2049957 T3 19940501; FR 2657544 A1 19910802; FR 2657544 B1 19920417; JP H04215861 A 19920806

DOCDB simple family (application)

**EP 90440120 A 19901214**; DE 69006710 T 19901214; ES 90440120 T 19901214; FR 9001175 A 19900129; JP 855291 A 19910128