

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

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Application
EP 06117130 A 20060713

Priority
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Abstract (en)
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)

Citation (applicant)
• GB 1602279 A 19811111 - BRITISH STEEL CORP
• WO 8805696 A1 19880811 - USS ENG & CONSULT [US]
• US 3057477 A 19621009 - MAXIMILIANO RAPPAPORT
• EP 0455948 A1 19911113 - LINDEMANN MASCHFAB GMBH [DE]

Citation (search report)
• [X] EP 0455948 A1 19911113 - LINDEMANN MASCHFAB GMBH [DE]
• [X] US 2690263 A 19540928 - EDWARD BOX WILLIAM, et al
• [X] US 3057477 A 19621009 - MAXIMILIANO RAPPAPORT
• [X] DE 1051752 B 19590305 - GERD RAYHRER DR ING
• [DA] WO 8805696 A1 19880811 - USS ENG & CONSULT [US]
• [DA] GB 1602279 A 19811111 - BRITISH STEEL CORP

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

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