

Title (en)
Device for collecting ferrous materials

Title (de)
Vorrichtung zur Sammlung eisenhaltiger Materialien

Title (fr)
Dispositif de collecte de matériaux ferreux

Publication
EP 2974991 B1 20171018 (EN)

Application
EP 14382279 A 20140716

Priority
EP 14382279 A 20140716

Abstract (en)
[origin: EP2974991A1] A device for collecting ferrous materials, which comprises a central body (1) fixed to an electromagnetic plate (2), wherein a plurality of radial blades (3) actuated by several hydraulic cylinders (4) arranged between each radial blade (3) and the central body (1) pivots on the edge of the electromagnetic plate (2) and wherein the central body (1) is fixed to a rotary mechanism (5) capable of rotating the device about the vertical axis of the hook of lifting equipment, wherein the central body (1) comprises a plurality of pairs of radial flanges (1.1) between which are arranged the hydraulic cylinders (4), wherein upper ends (1.11) of the pairs of radial flanges (1.1) are fixed to an upper cylindrical ring (1.2) for coupling to the rotary mechanism (5), and lower ends (1.12) of the pairs of radial flanges (1.1) are fixed to the upper face of the electromagnetic plate (2), the rotary mechanism (5) being arranged in the interior of the central body (1).

IPC 8 full level
B66C 3/04 (2006.01); **B66C 3/16** (2006.01)

CPC (source: EP)
B66C 1/06 (2013.01); **B66C 3/04** (2013.01); **B66C 3/16** (2013.01)

Cited by
JP2019112230A

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 2974991 A1 20160120; EP 2974991 B1 20171018; ES 2658767 T3 20180312

DOCDB simple family (application)
EP 14382279 A 20140716; ES 14382279 T 20140716