

Title (en)

Device and method for separating heavy boulders with unwanted compositions

Title (de)

Vorrichtung und Verfahren zur Abtrennung von schweren, mit unerwünschten Zusammensetzungen anfallenden Brocken

Title (fr)

Dispositif et procédé de séparation de morceaux lourds produits avec des compositions non souhaitées

Publication

EP 2335837 B1 20130612 (DE)

Application

EP 10015430 A 20101208

Priority

DE 102009057119 A 20091208

Abstract (en)

[origin: EP2335837A1] The device has a detection device comprising x-ray fluorescence-detectors (10), which are arranged transverse to a conveying band-transport direction above a conveying band. Another detection device is provided for detecting dimensions and/or mass of the heavy lumps. X-ray tubes (16) are arranged above the detectors to impact the heavy lumps with x-rays in a detection area. A computer-aided decision logic unit delivers a signal via a transport path of each heavy lumps based on result of information that is delivered by the former and the latter detection devices to control a separation device. An independent claim is also included for a method for separation of heavy lumps from conveying goods.

IPC 8 full level

B07C 5/342 (2006.01); **B07C 5/10** (2006.01)

CPC (source: EP)

B07C 5/10 (2013.01); **B07C 5/3427** (2013.01)

Cited by

DE102019109053A1; CN109821766A; DE102016114465A1; DE102016114465A9; DE102018210019A1; DE102018210019B4; DE102019100961A1; DE202015100383U1

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 2335837 A1 20110622; EP 2335837 B1 20130612; DE 102009057119 A1 20110609; ES 2427398 T3 20131030; PL 2335837 T3 20131129

DOCDB simple family (application)

EP 10015430 A 20101208; DE 102009057119 A 20091208; ES 10015430 T 20101208; PL 10015430 T 20101208