

Title (en)

Method and device for sorting products

Title (de)

Verfahren und Vorrichtung zum Sortieren von Produkten

Title (fr)

Procédé et dispositif de tri de produits

Publication

EP 2186576 B1 20150812 (EN)

Application

EP 08447046 A 20081117

Priority

EP 08447046 A 20081117

Abstract (en)

[origin: EP2186576A1] The invention relates to a device and a method for sorting products (5), whereby these products move in a product flow through a detection zone (6), whereby a light beam is moved over the product flow by means of a scan such that the light beam (9) is at least partly scattered and/or directly reflected by said products (5), whereby the scattered light and/or the directly reflected light enters a detector (23) which generates a detection signal, whereby products are discerned by means of said detection signal. A stream of light is generated in the detection zone (6) between a reference element and said scan means and the intensity of this stream of light is discerned and when this intensity exceeds a preset value, a product which is hit by the light beam (9) will be qualified as a suitable product or as an inferior or strange product.

IPC 8 full level

B07C 5/342 (2006.01)

CPC (source: EP)

B07C 5/3427 (2013.01)

Cited by

CN103752528A; CN107985919A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2186576 A1 20100519; EP 2186576 B1 20150812; DK 2186576 T3 20151123; ES 2554532 T3 20151221; HU E026738 T2 20160728; PL 2186576 T3 20160331; PL 2186576 T4 20160331

DOCDB simple family (application)

EP 08447046 A 20081117; DK 08447046 T 20081117; ES 08447046 T 20081117; HU E08447046 A 20081117; PL 08447046 T 20081117