

Title (en)

Electro-optic product sorting apparatus and sorting method

Title (de)

Elektrooptische Produktsortiervorrichtung und Sortierverfahren

Title (fr)

Appareil de tri de produit électro-optique et procédé de triage

Publication

**EP 3047918 A1 20160727 (EN)**

Application

**EP 15152575 A 20150126**

Priority

EP 15152575 A 20150126

Abstract (en)

The present invention relates to a sorting apparatus comprising; at least one light source (1) generating a scanning line by sending concentrated light beam (2) onto a product stream (6, 27) for detecting and sorting of the unwanted objects (27) on said product stream (6, 27); detection means (11, 13) analyzing the light reflected from said product stream and generating electrical signals, and at least one diaphragm mirror with a hole (23) directing the reflected light component to the detection means (11, 13) without any loss. The invention also provides a sorting method implemented by this sorting apparatus.

IPC 8 full level

**B07C 5/344** (2006.01)

CPC (source: EP)

**B07C 5/344** (2013.01)

Citation (applicant)

- US 4723659 A 19880209 - BILLION LEO [BE]
- EP 1332353 A1 20030806 - BEST N V [BE]

Citation (search report)

[XD] US 4723659 A 19880209 - BILLION LEO [BE]

Designated contracting state (EPC)

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BA ME

DOCDB simple family (publication)

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