

Title (en)

VISION BASED ARTICLE TYPING AND SORTING SYSTEM

Title (de)

ARTIKELTYPISIERUNGS- UND SORTIERUNGSSYSTEM AUF SICHTBASIS

Title (fr)

SYSTÈME DE TYPAGE ET DE TRI D'ARTICLES BASÉ SUR LA VISION

Publication

EP 3621904 A2 20200318 (EN)

Application

EP 18794113 A 20180505

Priority

- US 201715588230 A 20170505
- EP 15875824 A 20151231
- US 2018031278 W 20180505

Abstract (en)

[origin: WO2018204901A2] A typing off-loading and article sorting system to automatically separate different parcel types includes a feed conveyor, receiving conveyor, sorting conveyor, cameras and photoelectric eye. The overhead cameras detect the item size and whether it is cubic in nature and type and size of its footprint. An in-line slide sorter having alternating conveyor rollers and pop-up belts pass through to, or divert articles from, a downstream conveyor. The vision based system may also be used to detect space between articles and insert articles in the unoccupied space.

IPC 8 full level

B65G 47/68 (2006.01); **B07C 5/10** (2006.01); **B65G 47/54** (2006.01)

CPC (source: EP)

B07C 3/02 (2013.01); **B07C 5/10** (2013.01); **B07C 5/36** (2013.01); **B65G 47/54** (2013.01); **B65G 47/71** (2013.01); **B65G 43/08** (2013.01); **B65G 43/10** (2013.01)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018204901 A2 20181108; **WO 2018204901 A3 20181213**; CN 110997529 A 20200410; CN 110997529 B 20220128; EP 3621904 A2 20200318; EP 3621904 A4 20210505; JP 2020529303 A 20201008; JP 7018071 B2 20220209; WO 2018213053 A2 20181122; WO 2018213053 A3 20200326

DOCDB simple family (application)

US 2018031278 W 20180505; CN 201880029863 A 20180505; EP 18794113 A 20180505; JP 2019560376 A 20180505; US 2018031453 W 20180507