

Title (en)  
GOODS RECOGNITION AND GOODS SORTING SYSTEM

Title (de)  
WARENERFASSUNGS- UND WARENSORTIERSYSTEM

Title (fr)  
SYSTÈME DE DÉTECTION ET DE TRI DE MARCHANDISES

Publication  
**EP 3592476 A1 20200115 (DE)**

Application  
**EP 18714721 A 20180312**

Priority  
• DE 102017105132 A 20170310  
• EP 2018056108 W 20180312

Abstract (en)  
[origin: WO2018162762A1] The invention relates to a method for sorting loose goods of different dimensions, comprising the following method steps: A) EDP-assisted recognition of the delivery label and determining the target goods input value; B) allocating a sufficient number of load carriers according to the target goods input value; C) providing a first conveyor section unit with goods from the amount of delivered goods; D) transporting the goods on the first conveyor section unit to at least one first scanning unit; E) detecting the specific parameters of the respective goods using the at least one first scanning unit; F) transmitting the specific parameter of the respective goods to a distributor station via the at least one first scanning unit; G) forwarding the scanned goods to a distributor station on a further conveyor section unit; H) allocating the respective goods to one of the conveyor sections connected to a distributor station using the distributor station and according to the specific parameter of the respective goods and the load carrier determined from same using an algorithm; I) transmitting the further processing data for the respective goods from the distributor station to an appropriate sorting robot; K) the appropriate sorting robot retrieving the goods from the connected conveyor section unit; L) the appropriate sorting robot palletising the goods into the allocated load carrier; M) aligning the target goods input value with the actual goods input value. The invention also relates to a corresponding device.

IPC 8 full level  
**B07C 5/36** (2006.01)

CPC (source: EP)  
**B07C 5/36** (2013.01); **B07C 2501/0063** (2013.01)

Citation (search report)  
See references of WO 2018162762A1

Cited by  
CN113780908A

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 2018162762 A1 20180913**; DE 102017105132 A1 20180913; EP 3592476 A1 20200115; EP 3592476 B1 20221207; ES 2939819 T3 20230427; PL 3592476 T3 20230403

DOCDB simple family (application)  
**EP 2018056108 W 20180312**; DE 102017105132 A 20170310; EP 18714721 A 20180312; ES 18714721 T 20180312; PL 18714721 T 20180312