

Title (en)
Device for counting stacked objects

Title (de)
Vorrichtung zum Zählen gestapelter Gegenstände

Title (fr)
Dispositif de comptage de produits empilés

Publication
EP 1473666 A3 20090401 (FR)

Application
EP 04291109 A 20040430

Priority
FR 0305353 A 20030430

Abstract (en)
[origin: EP1473666A2] The device has a counting station with contact image sensor (CIS) modules (3 1-3 3), each module having a longitudinal lighting unit (31). A CIS circuit (33) is connected to a printed circuit (34). A displacement unit moves a container or the modules in a direction perpendicular to a linear light beam. A memory stores signals representative of information of light beam reflected by the products. The device has a microprocessor for processing the information for determining a number of products.

IPC 8 full level
G06M 9/00 (2006.01); **G01V 8/20** (2006.01); **G06M 1/10** (2006.01); **G06T 1/00** (2006.01); **H04N 1/04** (2006.01)

CPC (source: EP US)
G06M 1/101 (2013.01 - EP US); **G06M 9/00** (2013.01 - EP US)

Citation (search report)

- [DY] EP 0676718 A1 19951011 - LEROUX GILLES SA [FR]
- [Y] US 6522428 B1 20030218 - CHIU CHUI-KUEI [TW], et al
- [A] EP 0743616 A2 19961120 - EASTMAN KODAK CO [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL HR LT LV MK

DOCDB simple family (publication)
EP 1473666 A2 20041103; EP 1473666 A3 20090401; FR 2854476 A1 20041105; FR 2854476 B1 20050701; JP 2004334873 A 20041125; US 2004217261 A1 20041104; US 7045765 B2 20060516

DOCDB simple family (application)
EP 04291109 A 20040430; FR 0305353 A 20030430; JP 2004135809 A 20040430; US 46486703 A 20030619