

Title (en)

SYSTEM FOR MONITORING LOADING AND UNLOADING OR AREA TRANSFERS OF GOODS

Title (de)

SYSTEM ZUR ÜBERWACHUNG DES BE- UND ENTLADENS ODER DES FLÄCHENTRANSFERS VON WAREN

Title (fr)

SYSTÈME DE CONTRÔLE DE CHARGEMENT ET DE DÉCHARGEMENT OU DE TRANSFERT DE ZONE DE MARCHANDISES

Publication

EP 4094179 A1 20221130 (FR)

Application

EP 20701956 A 20200121

Priority

EP 2020051443 W 20200121

Abstract (en)

[origin: WO2021148112A1] The invention relates to a system for monitoring loading and unloading of goods or area transfers of goods, comprising a terminal (20) positioned close to the point of passage of the goods, said goods being in containers, each container comprising a barcode or a container carrier comprising a barcode. The terminal (20) comprises: - an image capturing device (21), configured so as to capture a photograph or film at the time when at least one container or container carrier passes in front of said terminal (20), - a flash (22) connected to the image capturing device (21) and that triggers when a photograph or film is captured; - a control unit, comprising a microcontroller driving the system and said database, a processing unit for processing the photograph or film in order to identify the barcode captured in the photograph or film, a triggering unit for triggering the capturing of a photograph or film on the basis of at least a first detection cell for detecting a container indicating passage in front of the terminal.

IPC 8 full level

G06K 7/10 (2006.01); **G06Q 10/08** (2012.01)

CPC (source: EP KR US)

G01B 11/00 (2013.01 - EP); **G01B 11/04** (2013.01 - EP KR); **G06K 7/10435** (2013.01 - KR); **G06K 7/10445** (2013.01 - US);
G06K 7/10732 (2013.01 - KR US); **G06K 7/10792** (2013.01 - EP KR US); **G06K 7/10831** (2013.01 - KR); **G06K 19/06028** (2013.01 - KR);
G06Q 10/087 (2013.01 - EP KR); **G06K 7/10732** (2013.01 - EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021148112 A1 20210729; BR 112022014347 A2 20221004; CA 3160939 A1 20210729; CN 114981814 A 20220830;
CN 114981814 B 20240827; EP 4094179 A1 20221130; JP 2023518325 A 20230428; JP 7546854 B2 20240909; KR 20220129562 A 20220923;
MX 2022008942 A 20220919; US 12045685 B2 20240723; US 2023030447 A1 20230202

DOCDB simple family (application)

EP 2020051443 W 20200121; BR 112022014347 A 20200121; CA 3160939 A 20200121; CN 202080093716 A 20200121;
EP 20701956 A 20200121; JP 2022569293 A 20200121; KR 20227025791 A 20200121; MX 2022008942 A 20200121;
US 202017787447 A 20200121