

Title (en)
Paper sheet handling apparatus

Title (de)
Vorrichtung zur Papierblatthandhabung

Title (fr)
Appareil de manipulation de feuilles de papier

Publication
EP 2251288 A2 20101117 (EN)

Application
EP 10250911 A 20100512

Priority
JP 2009116037 A 20090513

Abstract (en)
The paper sheet handling apparatus includes: a validator configured to validate each of paper sheets; a conveyor assembly arranged to convey the paper sheets in the paper sheet handling apparatus; a controller configured to control components of the paper sheet handling apparatus; and a storage unit arranged to store information on the paper sheets, wherein the controller controls the validator to determine a volume of each of the paper sheets passing through the validator in a first conveyance and store volume data of the paper sheet in correlation to a paper sheet conveying order in the first conveyance into the storage unit, wherein the first conveyance represents that the paper sheets conveyed by the conveyor assembly pass through the validator first time, and the controller controls the validator to determine a volume of a certain paper sheet passing through the validator in a second conveyance and comparing volume data of the certain paper sheet in the second conveyance with volume data of a corresponding paper sheet in the first conveyance, which is expected to be identical with the certain paper sheet based on the paper sheet conveying order, so as to verify consistency of number of paper sheets conveyed in the first conveyance with number of paper sheets conveyed in the second conveyance, wherein the second conveyance represents that the paper sheets conveyed by the conveyor assembly pass through the validator second time.

IPC 8 full level
B65H 7/20 (2006.01)

CPC (source: EP KR)
B65H 7/20 (2013.01 - EP); **G07D 11/237** (2018.12 - EP); **G07D 11/32** (2018.12 - KR); **G07D 11/50** (2018.12 - KR); **G07F 19/20** (2013.01 - KR); **B65H 2511/10** (2013.01 - EP); **B65H 2511/30** (2013.01 - EP); **B65H 2511/40** (2013.01 - EP); **B65H 2511/524** (2013.01 - EP); **B65H 2515/20** (2013.01 - EP); **B65H 2701/1912** (2013.01 - EP)

Cited by
CN112614283A; CN103942873A

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2251288 A2 20101117; **EP 2251288 A3 20120418**; CN 101887606 A 20101117; CN 101887606 B 20130320; JP 2010266972 A 20101125; JP 5271149 B2 20130821; KR 101078278 B1 20111031; KR 20100122857 A 20101123

DOCDB simple family (application)
EP 10250911 A 20100512; CN 201010176744 A 20100513; JP 2009116037 A 20090513; KR 20100039861 A 20100429