

Title (en)

MACHINE FOR AUTOMATICALLY SORTING OR INSPECTING MOVING OBJECTS, PROVIDED WITH A DEVICE FOR CLEANING

Title (de)

AUTOMATISCHE MASCHINE ZUM SORTIEREN ODER PRÜFEN VON VORBEIZIEHENDEN OBJEKTEN, DIE MIT EINER REINIGUNGSVORRICHTUNG AUSGESTATTET IST

Title (fr)

MACHINE AUTOMATIQUE DE TRI OU D'INSPECTION D'OBJETS DÉFILANTS, ÉQUIPÉE D'UN DISPOSITIF DE NETTOYAGE

Publication

EP 3808461 B1 20221221 (FR)

Application

EP 20197662 A 20200923

Priority

FR 1911421 A 20191014

Abstract (en)

[origin: US2021107042A1] An automatic machine (2) for processing objects (3) passing in a flow (F) on a conveyor (4) has a selective ejection device (1) with at least one bar (5) with nozzles (6) that is disposed transverse to the direction of said flow (F), after the outlet or tipping end of said conveyor (4), and having an active surface strip (7) that corresponds to the installation region of the outlet openings (6') of the nozzles (6) of the pneumatic bar (5), this surface strip (7) being situated beneath the conveying plane (4'') of the conveyor (4). This machine has a device (8) for cleaning at least said surface strip (7), this cleaning device (8) having at least one cleaning head (9) that is able to move in translation along the longitudinal axis (AL) of the bar (5) and at least over the entire extent of the installation or overlap region, said or each cleaning head (9) comprising at least one scraping member (10), which moves in contact with at least said surface strip (7), and at least one nozzle for blowing air of which the pressurized jet is directed toward said surface strip (7) and precedes the scraping member (10) during the movement of the mobile cleaning head (9).

IPC 8 full level

B07C 5/36 (2006.01)

CPC (source: EP US)

B07C 5/342 (2013.01 - US); **B07C 5/36** (2013.01 - EP); **B07C 5/368** (2013.01 - EP US); **B08B 1/165** (2024.01 - US); **B08B 1/20** (2024.01 - US); **B08B 1/30** (2024.01 - US); **B08B 5/023** (2013.01 - US); **B08B 7/04** (2013.01 - US); **B08B 13/00** (2013.01 - US); **B07C 2501/0054** (2013.01 - US)

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

DOCDB simple family (publication)

EP 3808461 A1 20210421; **EP 3808461 B1 20221221**; CA 3096092 A1 20210414; ES 2940294 T3 20230505; FR 3101792 A1 20210416; FR 3101792 B1 20211001; JP 2021062366 A 20210422; US 11938520 B2 20240326; US 2021107042 A1 20210415

DOCDB simple family (application)

EP 20197662 A 20200923; CA 3096092 A 20201014; ES 20197662 T 20200923; FR 1911421 A 20191014; JP 2020160476 A 20200925; US 202017069624 A 20201013