

Title (en)

LABELING MACHINE, PRINTING MACHINE, INSPECTION MACHINE, AND METHOD FOR STARTING UP A BUS SYSTEM IN SUCH A MACHINE

Title (de)

ETIKETTIERMASCHINE, DRUCKMASCHINE, INSPEKTIONSMASCHINE UND VERFAHREN ZUR INBETRIEBNAHME EINES BUSSYSTEMS IN EINER SOLCHEN MASCHINE

Title (fr)

MACHINE D'ÉTIQUETAGE, MACHINE D'IMPRESSION, MACHINE D'INSPECTION ET PROCÉDÉ DE MISE EN SERVICE D'UN SYSTÈME DE BUS DANS UNE TELLE MACHINE

Publication

EP 3458367 A1 20190327 (DE)

Application

EP 17742662 A 20170704

Priority

- DE 102016124266 A 20161213
- EP 2017066697 W 20170704

Abstract (en)

[origin: WO2018108331A1] The invention relates to a labeling machine (30; 80), a printing machine (30), an inspection machine (80), and a method for starting up such a machine (30; 80). The machine (10; 80) comprises at least two container receptacles, each of which has a rotary plate (331) with a rotary plate direct drive device (332), and a bus unit (330) for connecting the at least one container receptacle to a bus (7) of a bus system (5) in order to communicate with at least one component (70) of an additional container handling machine (20, 30, 40) or an additional component (35; 85) of the labeling machine (30) and/or printing machine (30) and/or inspection machine (80). The bus unit (330) has a bus input (330A) and a bus output (330B) which are configured such that the bus unit (330) is connected into the bus system (5) serially relative to an additional bus unit (330) of the bus system (5) in order to start up the bus system (5), and the bus unit (330) is configured to activate the bus output (330B) when starting up the bus system (5) after the bus unit (330) has received an identification number, which uniquely identifies the bus unit (330) during a communication in the bus system (1), via the bus input (330A).

IPC 8 full level

B41J 3/407 (2006.01); **B65B 57/00** (2006.01); **B65B 59/00** (2006.01); **B65C 9/40** (2006.01); **B67C 3/00** (2006.01); **G01N 21/90** (2006.01);
G05B 19/042 (2006.01); **G05B 19/418** (2006.01)

CPC (source: EP US)

B41J 3/4073 (2013.01 - EP US); **B41J 3/40733** (2020.08 - EP US); **B65C 3/16** (2013.01 - US); **B65C 9/40** (2013.01 - EP US);
B67C 3/007 (2013.01 - EP); **G01N 21/909** (2013.01 - EP US); **G05B 19/0426** (2013.01 - EP); **G06F 13/4282** (2013.01 - US);
G05B 19/4185 (2013.01 - EP US); **G05B 2219/21039** (2013.01 - EP US); **G05B 2219/2646** (2013.01 - EP); **G05B 2219/31179** (2013.01 - EP US);
G05B 2219/31424 (2013.01 - EP US); **Y02P 90/02** (2015.11 - EP)

Citation (search report)

See references of WO 2018108331A1

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)

DE 102016124266 A1 20180614; CN 109843731 A 20190604; CN 109843731 B 20210928; EP 3458367 A1 20190327;
US 2019352035 A1 20191121; WO 2018108331 A1 20180621

DOCDB simple family (application)

DE 102016124266 A 20161213; CN 201780049583 A 20170704; EP 17742662 A 20170704; EP 2017066697 W 20170704;
US 201716468999 A 20170704