

Title (en)
MACHINE ARRANGEMENT HAVING A PRINTING UNIT FOR SEQUENTIALLY PROCESSING OF SHEET-TYPE SUBSTRATES

Title (de)
MASCHINENANORDNUNG MIT DRUCKEINRICHTUNG ZUM SEQUENTIELLEN BEARBEITEN BOGENFÖRMIGER SUBSTRATE

Title (fr)
ENSEMBLE MACHINE À PLUSIEURS STATIONS AVEC UNITÉ D'IMPRESSION POUR LE TRAITEMENT SÉQUENTIEL DE SUBSTRATS SOUS FORME DE FEUILLES

Publication
EP 3543015 B1 20230614 (DE)

Application
EP 19174355 A 20170725

Priority

- DE 102016214903 A 20160810
- DE 102017203700 A 20170307
- EP 17743046 A 20170725
- EP 2017068774 W 20170725

Abstract (en)
[origin: WO2018028980A1] The invention relates to a machine arrangement for sequentially processing sheet-like substrates with multiple different processing stations (01; 02; 03; 04; 06; 07; 08; 09; 11; 12), multiple processing stations (01; 02; 03; 04; 06; 07; 08; 09; 11; 12) each having a substrate-guiding unit (24) and a substrate-processing unit (26). At least one of the processing stations (01; 02; 03; 04; 06; 07; 08; 09; 11; 12) has, as a substrate-processing unit (26), at least one non-impact printing device (06; 37) which prints on the substrates. The relevant processing station with the at least one non-impact printing device (06; 37) has a printing cylinder (22; 38), each non-impact printing device (06; 37) being arranged at the circumference of the printing cylinder (22; 38). The printing cylinder (22; 38) in question is triple- or quadruple-sized. A double- or triple-sized transfer drum (43) or a corresponding feed cylinder (43) is arranged directly upstream of the printing cylinder (22; 38) in question, and/or a double- or triple-sized transfer drum (44) or a corresponding transport cylinder (44) is arranged directly downstream of said printing cylinder.

IPC 8 full level
B41J 13/22 (2006.01)

CPC (source: CN EP US)
B41F 19/00 (2013.01 - CN); **B41F 19/001** (2013.01 - CN EP US); **B41F 19/007** (2013.01 - CN EP US); **B41F 19/008** (2013.01 - EP US); **B41F 21/102** (2013.01 - CN EP US); **B41F 23/0443** (2013.01 - CN EP US); **B41F 23/08** (2013.01 - EP US); **B41F 25/00** (2013.01 - EP US); **B41J 3/546** (2013.01 - EP); **B41J 11/0015** (2013.01 - CN); **B41J 11/002** (2013.01 - CN); **B41J 13/223** (2013.01 - CN US); **B41J 13/226** (2013.01 - CN EP US)

Citation (examination)
US 2013307893 A1 20131121 - SUDA HIROYUKI [JP], et al

Cited by
DE102019118566A1; DE102019118566B4; EP3895896A1

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)
WO 2018028980 A1 20180215; CN 109414926 A 20190301; CN 109414926 B 20200331; CN 111319350 A 20200623; CN 111319350 B 20210813; EP 3439880 A1 20190213; EP 3439880 B1 20190821; EP 3543015 A1 20190925; EP 3543015 B1 20230614; EP 3915789 A1 20211201; EP 3915789 B1 20220713; JP 2019523195 A 20190822; JP 2020037268 A 20200312; JP 6599571 B2 20191030; US 10493746 B2 20191203; US 10987917 B2 20210427; US 11485131 B2 20221101; US 2019232638 A1 20190801; US 2020055307 A1 20200220; US 2021213727 A1 20210715

DOCDB simple family (application)
EP 2017068774 W 20170725; CN 201780037678 A 20170725; CN 202010145409 A 20170725; EP 17743046 A 20170725; EP 19174355 A 20170725; EP 21186912 A 20170725; JP 2018568883 A 20170725; JP 2019182078 A 20191002; US 201716318161 A 20170725; US 201916660865 A 20191023; US 202117216772 A 20210330