

Title (en)

PRINTING MACHINE FOR VALUE PAPER HAVING A DRYING UNIT AND METHOD FOR MANUFACTURING

Title (de)

WERTPAPIERDRUCKMASCHINE MIT TROCKNEREINHEIT UND HERSTELLUNGSVERFAHREN

Title (fr)

MACHINE D'IMPRESSION POUR PAPIERS-VALEURS COMPRENANT UNE UNITÉ DE SÉCHAGE ET PROCÉDÉ DE FABRICATION

Publication

EP 3271173 B1 20190724 (DE)

Application

EP 16710470 A 20160318

Priority

- DE 102015205066 A 20150320
- EP 2016056008 W 20160318

Abstract (en)

[origin: WO2016150868A1] The invention relates to a value-document printing machine comprising, in the path of the printing material, at least a first printing site (06"), at which a printing material (02) passing through said printing site can be printed, in segments on at least a first of the two sides of said printing material in a cycle (Z) at a print image width (B44) with a cycle length (L) that is fixed in relation to the advancing of the printing material at the printing site, with print images of a print image length (L) that is shorter than the cycle length, and a second printing site (07") that follows next downstream, at which the printing material passing through said printing site can likewise be printed with print images on at least the second of the sides of the printing material, and a dryer device having a dryer (14, 16, 36), which comprises a one- or multi-part radiation means and which is arranged in the printing material path between the first and the second printing sites and/or in the printing material path following the second printing site and by means of which radiation can be applied to the printing material passing through the dryer on the transport path of the printing material in order to dry said printing material. A control device (37) that controls the drying means (38) of the dryer with regard to activation and deactivation is provided, which control device has a signal connection to a transmitter (42) that provides signals (S) representing the machine phase and/or the printing material progress and effects a switch-on and switch-off of the drying means or at least part of the drying means in each cycle in accordance with a sequence comprising at least one active and at least one inactive phase (P) in correlation with the machine and/or printing-material phase position. During operation, a switch-on and switch-off of the radiation source or at least part of the radiation source having at least one active and one inactive phase occurs in each cycle.

IPC 8 full level

B41F 33/00 (2006.01); **B41F 9/02** (2006.01); **B41F 11/02** (2006.01); **B41F 15/08** (2006.01); **B41F 23/04** (2006.01)

CPC (source: CN EP RU US)

B41F 11/02 (2013.01 - CN EP US); **B41F 15/0809** (2013.01 - CN EP US); **B41F 23/0409** (2013.01 - CN EP US);
B41F 23/0453 (2013.01 - CN EP US); **B41F 33/00** (2013.01 - CN EP RU US); **B41F 33/16** (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)

DE 102015205066 A1 20160922; CN 107405911 A 20171128; CN 107405911 B 20190531; CN 107428155 A 20171201;
CN 107428155 B 20190806; CN 107548359 A 20180105; CN 107548359 B 20181116; EP 3271173 A1 20180124; EP 3271173 B1 20190724;
EP 3271175 A1 20180124; EP 3271175 B1 20190724; EP 3271177 A1 20180124; EP 3271177 B1 20190724; JP 2018506456 A 20180308;
JP 2018507800 A 20180322; JP 2018510077 A 20180412; JP 6362789 B2 20180725; JP 6362790 B2 20180725; JP 6362791 B2 20180725;
RU 2667867 C1 20180924; US 10144209 B2 20181204; US 10220606 B2 20190305; US 10265944 B2 20190423; US 2018043679 A1 20180215;
US 2018079195 A1 20180322; US 2018079196 A1 20180322; WO 2016150866 A1 20160929; WO 2016150867 A1 20160929;
WO 2016150868 A1 20160929

DOCDB simple family (application)

DE 102015205066 A 20150320; CN 201680016139 A 20160318; CN 201680016227 A 20160318; CN 201680016230 A 20160318;
EP 16710468 A 20160318; EP 16710469 A 20160318; EP 16710470 A 20160318; EP 2016056005 W 20160318; EP 2016056006 W 20160318;
EP 2016056008 W 20160318; JP 2017545626 A 20160318; JP 2017545636 A 20160318; JP 2017545637 A 20160318;
RU 2017130688 A 20160318; US 201615554299 A 20160318; US 201615558218 A 20160318; US 201615558223 A 20160318