

Title (en)
SHEET PROCESSING MACHINE, USE OF THE SHEET PROCESSING MACHINE, METHOD FOR CONVEYING SHEETS AND USE OF SHEET GUIDING ELEMENTS CONTAINING DEIONIZATION DEVICES

Title (de)
BOGENVERARBEITENDE MASCHINE, VERWENDUNG DER BOGENVERARBEITENDEN MASCHINE, VERFAHREN ZUM FÖRDERN VON BOGEN UND VERWENDUNG VON ENTIONISATIONSEINRICHTUNGEN ENTHALTENDEN BOGENLEITELEMENTEN

Title (fr)
MACHINE DE TRAITEMENT DE FEUILLES, UTILISATION DE LA MACHINE DE TRAITEMENT DE FEUILLES, PROCÉDÉ DE TRANSPORT DE FEUILLES ET UTILISATION D'ÉLÉMENTS CONDUCTEURS DE FEUILLES CONTENANT DES DISPOSITIFS DE DÉSIONISATION

Publication
EP 4209351 B1 20231018 (DE)

Application
EP 23159101 A 20200602

Priority
• DE 102019118568 A 20190709
• EP 20730020 A 20200602
• EP 2020065174 W 20200602

Abstract (en)
[origin: WO2021004696A1] The invention relates to a sheet-processing machine (1) with a turning device (3). Sheets can be transferred from a sheet guiding cylinder (16) by a sheet conveyor system (17) in the turning device (3), and the sheets can be conveyed in a sheet conveyor direction (BFR) on a sheet conveyor path. A sheet directing element (9) is provided below and/or along the sheet conveyor path, wherein a deionization device (8) is paired with the sheet directing element (9). The invention additionally relates to a deionization device (8) for providing positive and negative ions and to the use sheet directing elements (9) containing deionization devices (8).

IPC 8 full level
B41F 21/10 (2006.01); **B41F 7/06** (2006.01); **B41F 23/00** (2006.01); **B41J 13/22** (2006.01)

CPC (source: CN EP US)
B41F 7/06 (2013.01 - CN); **B41F 15/0809** (2013.01 - EP US); **B41F 21/106** (2013.01 - CN EP US); **B41F 23/00** (2013.01 - CN EP); **B41J 11/0015** (2013.01 - CN); **B41J 13/22** (2013.01 - CN); **B41J 13/223** (2013.01 - US); **B65H 5/38** (2013.01 - EP US); **B65H 15/00** (2013.01 - CN EP US); **B65H 29/20** (2013.01 - CN); **B65H 29/52** (2013.01 - CN); **H05F 3/00** (2013.01 - CN); **B41J 3/60** (2013.01 - EP US); **B41J 13/223** (2013.01 - EP); **B65H 2301/5133** (2013.01 - EP US); **B65H 2406/11** (2013.01 - EP US); **B65H 2701/1131** (2013.01 - CN); **B65H 2701/176** (2013.01 - CN); **B65H 2801/03** (2013.01 - CN); **B65H 2801/21** (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 102019118568 A1 20210114; CN 113891801 A 20220104; CN 116039240 A 20230502; EP 3953181 A1 20220216; EP 3953181 B1 20230301; EP 4209349 A1 20230712; EP 4209350 A1 20230712; EP 4209351 A1 20230712; EP 4209351 B1 20231018; EP 4209352 A1 20230712; JP 2022525694 A 20220518; JP 2023100742 A 20230719; JP 7315720 B2 20230726; US 11498790 B2 20221115; US 2022204295 A1 20220630; WO 2021004696 A1 20210114

DOCDB simple family (application)
DE 102019118568 A 20190709; CN 202080039607 A 20200602; CN 202310255808 A 20200602; EP 2020065174 W 20200602; EP 20730020 A 20200602; EP 23159098 A 20200602; EP 23159100 A 20200602; EP 23159101 A 20200602; EP 23159102 A 20200602; JP 2021570840 A 20200602; JP 2023071856 A 20230425; US 202017615168 A 20200602