

Title (en)

WEB MANUFACTURING METHOD, CHARGE CONTROL METHOD, AND CHARGE CONTROL DEVICE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BAHNMATERIALS SOWIE VERFAHREN UND VORRICHTUNG ZUR BELADUNGSSTEUERUNG

Title (fr)

PROCÉDÉ DE FABRICATION DE BANDE, PROCÉDÉ DE COMMANDE DE CHARGE ET DISPOSITIF DE COMMANDE DE CHARGE

Publication

EP 3706515 A1 20200909 (EN)

Application

EP 18871897 A 20181029

Priority

- JP 2017209140 A 20171030
- JP 2018040198 W 20181029

Abstract (en)

The purpose of the present invention is to manufacture a charge amount-controlled web without providing the web, such as an elongated polymer film, with an advance charge. Provided is a web manufacturing method comprising a transfer step of transferring a web, wherein a liquid is supplied to the interface of a transfer roll transferring the web and the web, and a charge amount on a surface of the web due to frictional charging between the transfer roll and the web is controlled. The liquid includes, for example, a liquid that produces, between the transfer roll and the web, a frictional charge of the opposite polarity from the charge polarity produced on the surface of the web due to frictional charge between the transfer roll and the web.

IPC 8 full level

H05F 1/00 (2006.01); **B05D 1/02** (2006.01); **B05D 5/00** (2006.01); **B05D 7/00** (2006.01); **B65H 20/02** (2006.01); **H05F 1/02** (2006.01)

CPC (source: EP)

B05D 1/28 (2013.01); **B05D 3/144** (2013.01); **B05D 7/04** (2013.01); **B65H 20/02** (2013.01); **H05F 1/02** (2013.01); **B05D 1/02** (2013.01); **B05D 2252/02** (2013.01); **B65H 2301/5114** (2013.01); **B65H 2301/5132** (2013.01); **B65H 2701/1714** (2013.01); **B65H 2701/1752** (2013.01); **H05F 1/00** (2013.01)

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)

EP 3706515 A1 20200909; **EP 3706515 A4 20220126**; **EP 3706515 B1 20240103**; CN 111512704 A 20200807; JP 7347213 B2 20230920; JP WO2019088052 A1 20200924; WO 2019088052 A1 20190509

DOCDB simple family (application)

EP 18871897 A 20181029; CN 201880083388 A 20181029; JP 2018040198 W 20181029; JP 2019550385 A 20181029