

Title (en)

DEVICE AND METHOD FOR PRETREATING AND PRINTING TEXTILE SURFACES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM VORBEHANDELN UND BEDRUCKEN VON TEXTILEN OBERFLÄCHEN

Title (fr)

DISPOSITIF ET PROCEDE DE PRE-TRAITEMENT ET D'IMPRESSION DE SURFACES TEXTILES

Publication

EP 3121016 B1 20180425 (DE)

Application

EP 15177439 A 20150720

Priority

EP 15177439 A 20150720

Abstract (en)

[origin: CA2991939A1] The invention relates to an apparatus and a method for pretreating and printing textile surfaces. For this purpose, at least one pallet (22) for accommodating and retaining a textile article (20) to be printed on a printing face, a pretreatment device (40) which allows the textile article to be pretreated, prior to it being printed, by applying a pretreatment fluid to the textile article in a pretreatment area, a printing device (60) comprising at least one printhead (61) that allows a printed image to be printed onto the textile article in the pretreatment area, a moving device (23) which allows the at least one pallet to be displaced relative to the pretreatment device and the printing device, and a programmable control device (31) which allows the printing device, the pretreatment device and/or the moving device to be controlled, are provided. An identification device (30) which can identify the textile article and is connected to the programmable control device is provided in front of the pretreatment device, and depending on the identified textile article, the pretreatment area can be applied individually to a subarea of the printing face of the textile article.

IPC 8 full level

B41J 3/407 (2006.01); **B41J 11/00** (2006.01); **B41J 11/06** (2006.01)

CPC (source: EP KR US)

B41J 3/4078 (2013.01 - EP KR US); **B41J 11/0015** (2013.01 - EP KR US); **B41J 11/06** (2013.01 - EP KR US); **B41M 5/0047** (2013.01 - US); **D06P 5/002** (2013.01 - US); **D06P 5/30** (2013.01 - US); **D06B 11/0059** (2013.01 - EP)

Cited by

US11571913B2; EP3666531A1; CN112566786A; US11673417B2; EP3738778A1; WO2020229024A1; US10981398B2; EP3461646A1; JP2019065421A; US11504980B2; US12023945B2; WO2020025130A1

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)

EP 3121016 A1 20170125; EP 3121016 B1 20180425; BR 112018000777 A2 20190507; BR 112018000777 B1 20220531; CA 2991939 A1 20170126; CA 2991939 C 20230801; CN 108025563 A 20180511; CN 108025563 B 20190716; EA 034037 B1 20191220; EA 201890053 A1 20180731; ES 2677561 T3 20180803; HK 1232190 A1 20180105; JP 2018528096 A 20180927; JP 6854277 B2 20210407; KR 102419259 B1 20220708; KR 20180035230 A 20180405; PL 3121016 T3 20180928; PT 3121016 T 20180717; TR 201809820 T4 20180723; US 10189277 B2 20190129; US 2018207954 A1 20180726; WO 2017012879 A1 20170126

DOCDB simple family (application)

EP 15177439 A 20150720; BR 112018000777 A 20160707; CA 2991939 A 20160707; CN 201680042749 A 20160707; EA 201890053 A 20160707; EP 2016066061 W 20160707; ES 15177439 T 20150720; HK 17105946 A 20170615; JP 2018503523 A 20160707; KR 20187004923 A 20160707; PL 15177439 T 20150720; PT 15177439 T 20150720; TR 201809820 T 20150720; US 201615746171 A 20160707