

Title (en)
PRINTING DEVICE FOR PRINTING A SURFACE, AND METHOD FOR CHANGING PRINTING INKS IN A PRINTING DEVICE

Title (de)
DRUCKEINRICHTUNG ZUM BEDRUCKEN EINER OBERFLÄCHE SOWIE VERFAHREN ZUM WECHSELN VON DRUCKFARBEN IN EINER DRUCKEINRICHTUNG

Title (fr)
DISPOSITIF D'IMPRESSION POUR IMPRIMER UNE SURFACE, ET PROCÉDÉ POUR CHANGER LES ENCRE S D'IMPRESSION DANS UN DISPOSITIF D'IMPRESSION

Publication
EP 4090538 A1 20221123 (DE)

Application
EP 21700724 A 20210114

Priority

- DE 102020100927 A 20200116
- EP 2021050672 W 20210114

Abstract (en)
[origin: WO2021144353A1] The invention relates to a printing device (10) for printing a surface (12), in particular the surface (12) of a workpiece (11), at least part of which is made of wood, a wood material, plastic, composite material or the like, said printing device comprising: an ink supply device (17) which has at least two ink containers (21) that each receive a printing ink (19); and an ink supply (24) by means of which the printing inks (19) can be supplied to at least one print head (18) in order to carry out a printing process using at least one of the printing inks (19). A rinsing device (32) is provided by means of which at least the ink supply (24) and/or the at least one print head (18) can be flushed with a flushing liquid (33) when changing the printing ink. The invention also relates to a method for changing printing inks (19) in a printing device (10).

IPC 8 full level
B41J 2/17 (2006.01); **B41J 2/21** (2006.01)

CPC (source: EP US)
B41J 2/16552 (2013.01 - EP US); **B41J 2/1707** (2013.01 - EP US); **B41J 2/1721** (2013.01 - EP); **B41J 2/1742** (2024.05 - EP); **B41J 2/211** (2013.01 - EP); **B41J 3/407** (2013.01 - EP); **B41J 2/1742** (2024.05 - US); **B41J 3/407** (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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020100927 A1 20210722; CN 115052753 A 20220913; EP 4090538 A1 20221123; US 2023059999 A1 20230223; WO 2021144353 A1 20210722

DOCDB simple family (application)
DE 102020100927 A 20200116; CN 202180009294 A 20210114; EP 2021050672 W 20210114; EP 21700724 A 20210114; US 202117793378 A 20210114