

Title (en)

PRINTING MACHINE AND METHOD FOR CLEANING AT LEAST ONE NOZZLE BAR OF AT LEAST ONE PRINTING ASSEMBLY

Title (de)

DRUCKMASCHINE UND VERFAHREN ZUR REINIGUNG ZUMINDEST EINES DÜSENBALENS ZUMINDEST EINES DRUCKAGGREGATS

Title (fr)

MACHINE D'IMPRESSION ET PROCÉDÉ DE NETTOYAGE D'AU MOINS UNE BARRE DE BUSES D'AU MOINS UN ENSEMBLE D'IMPRESSION

Publication

EP 4065375 A1 20221005 (DE)

Application

EP 20820887 A 20201207

Priority

- DE 102020105975 A 20200305
- EP 2020084870 W 20201207

Abstract (en)

[origin: WO2021175468A1] The invention relates to a printing machine, wherein the printing machine comprises at least one printing assembly (01) having at least four nozzle bars (04) with a respective at least one printhead (08), wherein at least one nozzle bar (04) of the at least four nozzle bars (04) has at least one printhead (08) with at least one outlet surface (09), wherein the at least one printing assembly (01) comprises at least one cleaning device (18), wherein the at least one cleaning device (18) comprises at least one cleaning element (31) with at least one fluid supply opening (38), wherein the at least one cleaning device (18) has at least one storage position and at least one use position, wherein, in the at least one storage position, the at least one cleaning device (18) is arranged along a transport direction (T) of the printing substrate (03) before or after a region between the at least one nozzle bar (04) and the transport path of the printing substrate (03), wherein the transport direction (T) is determined according to the position of the transport path of the printing substrate (03) below the at least one nozzle bar (04). The invention also relates to a method for cleaning at least one nozzle bar (04) of the at least one printing assembly (01).

IPC 8 full level

B41J 2/165 (2006.01); **B41J 25/00** (2006.01); **B41J 25/304** (2006.01)

CPC (source: EP US)

B41J 2/16508 (2013.01 - US); **B41J 2/16535** (2013.01 - US); **B41J 2/16544** (2013.01 - US); **B41J 2/16547** (2013.01 - US); **B41J 2/16552** (2013.01 - EP); **B41J 2/16585** (2013.01 - EP); **B41J 25/304** (2013.01 - EP); **B41J 2/16585** (2013.01 - US); **B41J 2/16588** (2013.01 - US); **B41J 2025/008** (2013.01 - EP)

Citation (search report)

See references of WO 2021175468A1

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)

DE 102020105975 A1 20210909; CN 115003507 A 20220902; CN 115003507 B 20230714; EP 4065375 A1 20221005; EP 4065375 B1 20230628; JP 2023502161 A 20230120; JP 7311716 B2 20230719; US 11787185 B2 20231017; US 2023136315 A1 20230504; WO 2021175468 A1 20210910

DOCDB simple family (application)

DE 102020105975 A 20200305; CN 202080094289 A 20201207; EP 2020084870 W 20201207; EP 20820887 A 20201207; JP 2022545138 A 20201207; US 202017795048 A 20201207