



(12) **CORRECTED EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 72

(51) Int Cl.:
B41F 31/14 ^(2006.01) **B41F 31/26** ^(2006.01)
B41F 31/30 ^(2006.01)

(48) Corrigendum issued on:
09.12.2020 Bulletin 2020/50

(86) International application number:
PCT/JP2018/042649

(43) Date of publication:
21.10.2020 Bulletin 2020/43

(87) International publication number:
WO 2019/116831 (20.06.2019 Gazette 2019/25)

(21) Application number: **18888336.7**

(22) Date of filing: **19.11.2018**

(84) Designated Contracting States:
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 States:
BA ME
Designated Validation States:
KH MA MD TN

(30) Priority: **14.12.2017 JP 2017239316**

(71) Applicant: **I. Mer Co., Ltd.**
Kyoto-shi, Kyoto 612-8384 (JP)

(72) Inventors:
• **IZUME, Masayuki**
"deceased" (JP)
• **AOYAMA, Yoshimi**
Kyoto 612-8384 (JP)

(74) Representative: **Kuhnen & Wacker**
Patent- und Rechtsanwaltsbüro PartG mbB
Prinz-Ludwig-Straße 40A
85354 Freising (DE)

(54) **PRINTER DUCTOR ROLLER AND ELECTROMAGNETIC VALVE PROTECTION MEMBER BUILT INTO DUCTOR ROLLER**

(57) A ductor roller for printing machines has a shaft provided with an air supply pipe, plural individual ductor rollers, and plural electromagnetic valves, both connected to the shaft. The individual ductor rollers advance pneumatically by the electromagnetic valves. The individual ductor rollers have housings that are associated with the shaft and configured to move forward and backward; roller members configured to contact with the ink fountain roller and an ink distribution roller; and bearings connecting the roller members to the housings. The electromagnetic valves are placed in the housings. Protection members for the electromagnetic valves are oil-resistant, have circularly cylindrical or arc-like covers, and are associated with the shaft. They cover the side ends of the housings and are placed in the clearance between the individual ductor rollers. The protection members do not need an exchange, discharge cleaning liquid for printing machines along troughs and prevent the electromagnetic valves from being contaminated by the cleaning liquid.

FIG. 3

