

Title (en)

Apparatus and method for preventing ink from getting dry

Title (de)

Vorrichtung und Verfahren zur Verhinderung des Trocknens von Farbe

Title (fr)

Procédé et dispositif pour la prévention du séchage de l'encre

Publication

EP 1260367 A3 20021211 (EN)

Application

EP 02017933 A 19990419

Priority

- EP 99107301 A 19990419
- JP 10800098 A 19980417

Abstract (en)

[origin: EP0950521A1] An apparatus for printing sheets (11) includes a plate cylinder (14) with a printing die (13) mounted thereon and an impression cylinder (15) disposed to oppose said plate cylinder. In the apparatus, sheets are passed through a clearance between the plate cylinder and the impression cylinder to carry out printing on the sheets. The apparatus further includes an ink transfer roll (17) and means for regulating an amount of the ink transferred, so that when printing is carried out, the ink is transferred to the printing die, while at the same time the ink transferred is regulated as the ink transfer roll rotates in contact with the printing die of the plate cylinder while the regulating means contacts a surface of the ink transfer roll. The apparatus further includes an ink fountain (A) provided between the ink transfer roll and the ink regulating means along an axial direction thereof, and an ink reservoir (36) for reserving the ink which is disposed above and adjacent to the ink fountain. At least one tube body (47) is provided between the ink reservoir and the ink fountain in such a way that one open end (47b) of the tube body communicates with the ink reservoir and another open end thereof opens into the ink fountain. The apparatus further includes means (46) for transferring the ink between the ink fountain and the ink reservoir through the tube body and means (32) for reciprocally moving the ink reservoir, the tube body, and the ink transfer means unitarily along the axial direction of the ink fountain. <IMAGE>

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CPC (source: EP)

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Citation (search report)

- [A] US 5265535 A 19931130 - ISOWA YASUYUKI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 04 30 April 1997 (1997-04-30)

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CN100339216C; EP1433604A3; EP1555124A3; US7165495B2

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EP 0950521 A1 19991020; EP 0950521 B1 20030723; EP 1260367 A2 20021127; EP 1260367 A3 20021211; EP 1260367 B1 20030903; ES 2198812 T3 20040201; ES 2201045 T3 20040316; JP 3370600 B2 20030127; JP H11300933 A 19991102

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