

Title (en)

Apparatus and method for printing and drying at least one hollowed cylindrical body

Title (de)

Vorrichtung und Verfahren zum Drucken und Trocknen mindestens eines ausgehöhlten zylindrischen Körpers

Title (fr)

Appareil et procédé pour l'impression et le séchage d'au moins un corps cylindrique creux

Publication

EP 2965915 A1 20160113 (EN)

Application

EP 14175926 A 20140707

Priority

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Abstract (en)

Apparatus (1) for printing and drying at least one hollowed cylindrical or truncated-conical body, or substantially having a shape of any solid of revolution (100), comprising at least one printing station (2; 2') of the ink jet type, at least one movement mechanism (3) to rotate said at least one hollowed body (100) at least around its own axis at said at least one printing station (2; 2'), and to at least displace it in a direction away from said at least one printing station, at least at the end of the printing operation of a first surface zone (100a) of said at least one hollowed body (100), and setting and/or drying means (4) to set and/or dry the ink on at least said at least one surface zone (100a) of said at least one hollowed body (100). Advantageously, said setting and/or drying means (4) to set and/or dry the ink comprise one or more sources of radiation beam, said one or more sources being placed at, or next to, said at least one printing station (2; 2') and being movable in a controlled way to track, at least in part and at least through their radiation beam, said at least one hollowed body (100) when the latter is displaced in a direction away from said at least one printing station (2; 2') substantially at the end of said printing operation of a first surface zone (100a).

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- US 6769357 B1 20040803 - FINAN JOSEPH [US]
- US 2012274695 A1 20121101 - LACAZE JOHN R [US], et al

Citation (search report)

- [X1] EP 2669095 A1 20131204 - KRONES AG [DE]
- [AD] US 2012274695 A1 20121101 - LACAZE JOHN R [US], et al

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