

Title (en)
Hollow roller which can be heated with steam

Title (de)
Mit Dampf beheizbare Hohl-Walze

Title (fr)
Cylindre chauffé à la vapeur

Publication
EP 2239531 A3 20131016 (DE)

Application
EP 10158115 A 20100329

Priority
DE 102009016677 A 20090407

Abstract (en)
[origin: EP2239531A2] The hollow roller (1) has a steam supply channel (22) that opens into the interior (13) of a roller shell (2), and coaxial with a centre longitudinal axis (5). A siphon pipe (14) opens into the interior of the roller shell, and having a suction opening (24) that is located adjacent to the inner wall (25) of the roller shell. The siphon pipe (14) is rigidly formed and held in a rotary feed-through (16), and pivotable relative to the centre longitudinal axis about a pivot angle, such that the spacing of the suction opening from the inner wall is adjustable.

IPC 8 full level
F28F 5/02 (2006.01)

CPC (source: EP US)
B31F 1/285 (2013.01 - EP US); **F28F 5/02** (2013.01 - EP US)

Citation (search report)

- [XAY] GB 2224812 A 19900516 - SIMON CONTAINER MACH LTD [GB]
- [YA] DE 2553447 A1 19770602 - KLEINWEFERS IND CO GMBH
- [Y] DE 19910125 A1 20001005 - FRIESE GMBH & CO KG [DE]
- [A] US 2875527 A 19590303 - DAANE ROBERT A
- [A] EP 1085123 A2 20010321 - JOHNSON CORP [US]
- [A] GB 878800 A 19611004 - JOHNSON CORP
- [A] US 2297094 A 19420929 - ARMSTRONG ADAM E, et al
- [A] US 5533569 A 19960709 - REIBEL JOHN C [US], et al

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

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