

Title (en)
Heating or cooling roller.

Title (de)
Kühl- oder Heizwalze.

Title (fr)
Tambour pour chauffer ou refroidir.

Publication
EP 0162381 A1 19851127 (DE)

Application
EP 85105742 A 19850510

Priority
DE 8414320 U 19840510

Abstract (en)
1. Cooling or heating roll with a roll jacket (1) and a guide jacket (7) fixed in the roll interior and rotatable with the roll jacket, with channels in the roll bearings (4, 5) for feed and discharge of a fluid heat exchange medium to or from the interior of the roll, with a cylindrical gap (8) arranged between the guiding and the roll jackets for guiding the circulatory stream along the roll jacket and with a pump wheel (9, 12) for circulating the heat exchange medium substantially completely filling the interior of the roll, characterised in that the pump wheel (9, 12) is stationarily arranged.

Abstract (de)
Das flüssige Wärmeträgermedium innerhalb einer Kühl- oder Heizwalze (1) wird darin mittels eines stationär angeordneten Pumpenrades (9) unter Ausnutzung der von der Walzenreibung erzwungenen Umfangsgeschwindigkeit des Wärmeträgermediums umgewälzt.

IPC 1-7
F28D 11/02; **F26B 13/18**

IPC 8 full level
D21F 5/02 (2006.01); **F26B 13/18** (2006.01); **F28D 11/02** (2006.01)

CPC (source: EP)
D21F 5/022 (2013.01); **F26B 13/183** (2013.01); **F28D 11/02** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0162381 A1 19851127; **EP 0162381 B1 19880323**; DE 3561975 D1 19880428; DE 8414320 U1 19850919

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