

Title (en)
Roller

Title (de)
Walze

Title (fr)
Rouleau

Publication
EP 0947628 B1 20020904 (DE)

Application
EP 99105994 A 19990325

Priority
DE 19814597 A 19980401

Abstract (en)
[origin: EP0947628A2] The circuit includes a pumping unit (17) inside the roller (1). PREFERRED FEATURES:- The pumping unit fixed at one end in the roller and rotates with it. The pump surrounds a roller stub shaft, extending to a radial extremity of the circuit. Its drive pinion runs in a fixed ring gear (21,22), turning it as the roller rotates. The heat exchanger (5) secondary side includes axi-parallel tubes inside a chamber, with a supply connection. It has a distribution pipe passing the heat exchange fluid, surrounding a flow path of the outer heat exchange fluid. The distribution tube has openings (16) distributed circumferentially and axially.

IPC 1-7
D21G 1/02; **D21F 5/02**

IPC 8 full level
D21F 5/02 (2006.01); **D21F 5/10** (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP US)
D21F 5/028 (2013.01 - EP US); **D21F 5/10** (2013.01 - EP US); **D21G 1/0266** (2013.01 - EP US)

Designated contracting state (EPC)
DE FI FR GB

DOCDB simple family (publication)
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EP 99105994 A 19990325; DE 19814597 A 19980401; DE 59902519 T 19990325; US 28125799 A 19990330