

Title (en)

Roller for thermal treatment of a web

Title (de)

Walze zur thermischen Behandlung einer Materialbahn

Title (fr)

Rouleau pour le traitement thermique d'une bande

Publication

**EP 1529877 B1 20101013 (DE)**

Application

**EP 04105074 A 20041015**

Priority

DE 10351515 A 20031105

Abstract (en)

[origin: EP1529877A1] Roller diameter exceeds 400 mm. Casing thickness is 140-260 mm. The channels for thermal fluid are about 24-60 mm in diameter. Their spacing from the roller surface exceeds 55 mm. Variations of the above dimensions are also claimed. The spacing between peripheral heating or cooling channels is less than or equal to their individual diameters. The thermal transfer is 25 kW/m<sup>2</sup> or more in operation. The flow and return temperature difference is 6-16 K. The medium is oil or water. Flow velocity in the channels is 0.5-2.5 m/s.

IPC 8 full level

**D21G 1/02** (2006.01)

CPC (source: EP)

**D21G 1/0266** (2013.01)

Cited by

EP1840261A1; EP1760193A3; EP1840262A1; EP1760194A3; WO2007031234A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1529877 A1 20050511; EP 1529877 B1 20101013**; AT E484625 T1 20101015; DE 10351515 A1 20050609; DE 502004011768 D1 20101125

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