

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/m² 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)

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