

Title (en)

Method for heating a roll and a heatable roll, in particular a press roll for a paper machine

Title (de)

Verfahren zur Heizung einer Walze und beheizte Walze, insbesondere Presswalze für eine Papiermaschine

Title (fr)

Procédé pour le chauffage d'un rouleau et rouleau chauffé, en particulier un rouleau de presse pour machine à papier

Publication

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Application

EP 93850196 A 19931019

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- US 1774593 A 19930216

Abstract (en)

[origin: EP0597814A1] A heatable roll (10), in particular a press roll or equivalent for a paper machine, which roll is in direct contact with the paper web and a method for heating a roll are disclosed. The roll is heated by flowing a heat transfer medium into the roll. The medium is preferably arranged to circulate in bores (16) formed into a roll mantle in proximity to an outer face of the roll. The outer face of the roll is provided with a coating (18) made of a ceramic, metal-ceramic mixture, porous metal or an equivalent material whose thermal conductivity and modulus of elasticity are lower than the corresponding properties of the material of the roll body. The coating is porous, and its thickness is from about 0.03 mm to about 6 mm, preferably from about 0.05 mm to about 2 mm. <IMAGE>

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Cited by

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