

Title (en)
METHOD OF FINISHING PAPER UTILIZING SUBSTRATA THERMAL MOLDING

Publication
EP 0245250 B1 19900523 (EN)

Application
EP 85905975 A 19851106

Priority
US 8502194 W 19851106

Abstract (en)
[origin: WO8702722A1] Process for producing gloss and smoothness on the surface of a paper web (1), comprising: A. advancing a web (1) of papermaking fibers through a nip formed by a smooth metal finishing drum (2) and a resilient backing roll (3, 5) providing a nip pressure on the web (1) of at least 13,780 KN/M<2> (2000 psi); and B. heating the drum (2) to a temperature at least high enough to heat a critical substrata portion of the web (1) to a temperature of at least the dynamic Tg of the fibers to provide an unexpected increase in gloss and surface flatness without excessively densifying the entire sheet.

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D21F 11/00; D21G 1/00

IPC 8 full level
D21G 1/00 (2006.01); **D21F 11/00** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP)
D21G 9/009 (2013.01)

Cited by
DE4321061A1; DE4321061B4; DE4112537A1; US5387782A; EP0598737B2; EP0943034B2

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