

Title (en)
HIGH PERFORMANCE PAPER AND PROCESS FOR PRODUCING THE SAME

Title (de)
HOCHLEISTUNGSFÄHIGES PAPIER UND VERFAHREN ZUR HERSTELLUNG DESSELBEN

Title (fr)
PAPIER HAUTE QUALITE ET PROCEDE DE FABRICATION CORRESPONDANT

Publication
EP 0812956 A1 19971217 (EN)

Application
EP 96943319 A 19961226

Priority

- JP 9603838 W 19961226
- JP 34402795 A 19951228
- JP 19488296 A 19960724
- JP 21922496 A 19960731
- JP 26551996 A 19960913

Abstract (en)
The present invention provides as a first feature thereof a process for producing paper which is characterized in that material paper is passed through a nip provided by a metal roll and another metal roll under a linear pressure of 200 to 2500 kg/cm. The present invention provides as a second feature thereof a paper which is characterized in that the paper is produced by forming a coating layer containing a moisture-proof resin is formed on both surfaces of material paper before or after the material paper is passed through a nip provided by a metal roll and another metal roll under a linear pressure of 200 to 2500 kg/cm. The present invention provides as a third feature thereof a paper which is characterized in that the paper is produced by incorporating an interfiber crosslinking agent for cellulose into material paper, and thereafter passing the material paper through a nip provided by a metal roll and another metal roll under a linear pressure of 200 to 2500 kg/cm. The present invention provides as a fourth feature thereof a process for producing paper comprising at least two laminated sheets of paper, the process being characterized by passing at least two sheets of material paper through a nip provided by a metal roll and another metal roll under a linear pressure of 500 to 2500 kg/cm.

IPC 1-7
D21G 1/00; **D21H 17/07**; **D21H 17/47**; **D21H 17/68**

IPC 8 full level
D21G 1/00 (2006.01); **D21H 21/16** (2006.01); **D21H 21/20** (2006.01); **D21H 25/00** (2006.01); **D21H 17/06** (2006.01); **D21H 17/07** (2006.01); **D21H 17/37** (2006.01); **D21H 17/47** (2006.01); **D21H 19/14** (2006.01); **D21H 19/18** (2006.01); **D21H 19/40** (2006.01)

CPC (source: EP)
D21G 1/00 (2013.01); **D21H 21/16** (2013.01); **D21H 21/20** (2013.01); **D21H 25/005** (2013.01); **D21H 17/06** (2013.01); **D21H 17/07** (2013.01); **D21H 17/375** (2013.01); **D21H 17/47** (2013.01); **D21H 19/14** (2013.01); **D21H 19/18** (2013.01); **D21H 19/40** (2013.01)

Cited by
EP0892109A1; EP0947348A3; EP1253999A4; US7459185B2; WO2008057312A3; WO2008086029A3; US6585365B1; US8123906B2; US6528119B1; US6660369B2; KR101329399B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9724489 A1 19970710; EP 0812956 A1 19971217; EP 0812956 A4 20000517

DOCDB simple family (application)
JP 9603838 W 19961226; EP 96943319 A 19961226