

Title (en)

Method of making coated paper and paperboard utilizing impulse drying.

Title (de)

Verfahren zur Herstellung des satinierten Papiers und Kartonbahnen unter Verwendung des Impulstrockners.

Title (fr)

Procédé pour la fabrication du papier et du carton glacé en utilisant de séchage d'impulse.

Publication

EP 0514595 A1 19921125 (EN)

Application

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Priority

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Abstract (en)

This invention provides coated paper and paper board and methods of manufacturing these materials by implementing the benefits of impulse drying. The novel methods include providing a moist web of paper-making fibers and impulse drying this web at a temperature of at least about the glass transition temperature of the paper-making fibers to produce an impulse dried sheet having a Parker Print Smoothness of less than about 6.5 microns. Following impulse drying, the impulse dried sheet is surface coated to produce a coated sheet having improved physical properties.

IPC 1-7

D21G 9/00; **D21H 25/14**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AD] US 4624744 A 19861125 - VREELAND JAY H [US]
- [AD] US 4596633 A 19860624 - ATTWOOD BRIAN W [GB]
- [A] DE 3535685 A1 19870409 - BILLHOFFER MASCHF GMBH [DE]

Cited by

EP0969141A1; US6447643B2; US6264794B1; EP1052328B1

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