

Title (en)

PROCESS FOR COATING PAPERBOARD WITH A WATER-DISPERSIBLE POLYESTER POLYMER

Title (de)

VERFAHREN ZUR BESCHICHTUNG VON PAPIER MIT EINEM WASSERDISPERGIERBAREN POLYMER

Title (fr)

PROCEDE DE COUCHAGE DE PAPIER A L'AIDE D'UNE D'UN POLYMER DE POLYESTER DISPERSIBLE DANS L'EAU

Publication

EP 1278604 A4 20100317 (EN)

Application

EP 00926398 A 20000427

Priority

US 0011237 W 20000427

Abstract (en)

[origin: CA2407271A1] A method for coating paperboard (14) comprising heating paperboard (14) to a temperature sufficient to remove at least some moisture from the paperboard (14) at a heating station (20); applying an aqueous dispersion of at least one water-dispersible polymer to the paperboard (14) at a coating station (24); heating the paperboard (14) to at least partially cure the water-dispersible polymer at drying stations (26, 30); and cooling the paperboard (14) to at least 160 degrees Fahrenheit to reduce the tackiness of the cured water-dispersible polymer.

IPC 8 full level

B05D 1/28 (2006.01); **D21H 19/28** (2006.01); **B05C 1/08** (2006.01); **B05C 9/10** (2006.01); **B05C 9/14** (2006.01); **B05C 11/00** (2006.01); **B05C 11/06** (2006.01); **B05D 3/02** (2006.01); **B05D 3/04** (2006.01); **B05D 3/06** (2006.01); **B05D 3/08** (2006.01); **B05D 7/24** (2006.01); **B32B 27/10** (2006.01); **B32B 27/36** (2006.01); **D21H 21/16** (2006.01); **D21H 23/34** (2006.01); **D21H 25/04** (2006.01); **D21H 25/16** (2006.01)

CPC (source: EP)

D21H 19/28 (2013.01); **D21H 23/56** (2013.01); **D21H 25/04** (2013.01); **D21H 25/08** (2013.01)

Citation (search report)

- [A] US 5736204 A 19980407 - SUSKIND STUART P [US]
- [A] US 5360663 A 19941101 - MOTEKI YOSHIHIRO [JP], et al
- [A] WO 9853141 A1 19981126 - CARGILL INC [US]
- [A] EP 0770493 A1 19970502 - OJI PAPER CO [JP]
- [A] US 5633041 A 19970527 - ARRINGTON ERIC E [US]
- [A] US 6005068 A 19991221 - GRUBER PATRICK RICHARD [US], et al
- [A] EP 0759365 A1 19970226 - NEW OJI PAPER CO LTD [JP]
- [A] US 2968576 A 19610117 - KELLER THEODORE W, et al
- See references of WO 0183118A1

Designated contracting state (EPC)

DE ES FI FR GB IT

DOCDB simple family (publication)

AU 4493100 A 20011112; CA 2407271 A1 20011108; CA 2407271 C 20080902; EP 1278604 A1 20030129; EP 1278604 A4 20100317; JP 2003533599 A 20031111; MX PA02010578 A 20040517

DOCDB simple family (application)

AU 4493100 A 20000427; CA 2407271 A 20000427; EP 00926398 A 20000427; JP 2001579990 A 20000427; MX PA02010578 A 20000427