

Title (en)
Method of making paper

Title (de)
Verfahren zur Papierherstellung

Title (fr)
Procédé de fabrication de papier

Publication
EP 1548187 A3 20061004 (EN)

Application
EP 04257802 A 20041215

Priority
• US 74492603 A 20031222
• US 82395004 A 20040413

Abstract (en)
[origin: EP1548187A2] The disclosure relates to a method for making coated or uncoated paper that has small sized calcium carbonate on its surface. The calcium carbonate is placed on the paper web at the size press, by a spray or at a coating operation. The calcium carbonate can have a maximum mean average size of 200 nm. Another embodiment has a maximum mean average size of 100 nm. Another embodiment has a maximum mean average size of 50 nm. Different weight levels may be placed on the paper.

IPC 8 full level
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CPC (source: EP US)
D21H 19/385 (2013.01 - EP US); **D21H 21/52** (2013.01 - EP US); **D21H 23/28** (2013.01 - EP US); **D21H 23/50** (2013.01 - EP US)

Citation (search report)
• [X] WO 03078734 A1 20030925 - RAISIO CHEM LTD [FI], et al
• [X] WO 0003092 A1 20000120 - VALMET CORP [FI], et al
• [PX] WO 2004074574 A2 20040902 - TRUSTEES OF WESTERN MICHIGAN U [US], et al

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US11920299B2; US9725599B2; WO2009074491A1; US10280561B2; US10927501B2; US11746471B2

Designated contracting state (EPC)
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EP 1548187 A2 20050629; **EP 1548187 A3 20061004**; CA 2489608 A1 20050622; JP 2005179882 A 20050707; US 2005133184 A1 20050623; US 2005247421 A1 20051110

DOCDB simple family (application)
EP 04257802 A 20041215; CA 2489608 A 20041209; JP 2004369355 A 20041221; US 15541105 A 20050617; US 82395004 A 20040413