

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  
**D21H 19/38** (2006.01); **D21H 17/63** (2006.01); **D21H 17/66** (2006.01); **D21H 17/67** (2006.01); **D21H 19/36** (2006.01); **D21H 23/22** (2006.01); **D21H 21/16** (2006.01); **D21H 21/52** (2006.01); **D21H 23/28** (2006.01); **D21H 23/50** (2006.01)

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

Cited by  
US11920299B2; US9725599B2; WO2009074491A1; US10280561B2; US10927501B2; US11746471B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**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