

Title (en)

PROCESS FOR PREPARING A SHEET MATERIAL WITH RETENTION BY PAPER-MAKING TECHNIQUES

Publication

EP 0050316 B2 19911204 (FR)

Application

EP 81108353 A 19811015

Priority

FR 8022501 A 19801021

Abstract (en)

[origin: EP0050316B1] 1. Process for the preparation, by papermaking techniques, of a material in sheet form comprising fibres, a non-binding inorganic filler, a conventional organic papermaking binder and a flocculant, intended to improve the retention of the inorganic filler in the sheet, the formation of the sheet and its physical properties, characterised in that a homogeneous bath comprising the inorganic filler and the organic binder is prepared and this, before being introduced into the fibre suspension, is destabilised by means of a cationic flocculant chosen from among aqueous solutions of polyethyleneimine, polyamideamide crosslinked polyalkylamide, modified polyacrylamides, aluminium polychloride and cationic starches, as well as aqueous solutions of quaternary ammonium compounds such as hydroxypropyltrimethylammonium chloride.

IPC 1-7

D21H 17/67; **D21H 17/55**; **D21H 17/56**; **D21H 17/66**

IPC 8 full level

D21H 17/69 (2006.01)

CPC (source: EP US)

D21H 17/69 (2013.01 - EP US)

Cited by

FR2624531A1; FR2890664A1; EP2914774A4; EP0499448A1; EP0227465A1; FR2592069A1; US4925530A; US9752283B2; US10145067B2; US10982391B2; WO8905884A1; WO2007031642A3; WO9402681A1

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EP 0050316 A1 19820428; **EP 0050316 B1 19850807**; **EP 0050316 B2 19911204**; AT E14765 T1 19850815; DE 3171717 D1 19850912; DE 50316 T1 19830414; ES 506382 A0 19830116; ES 8302822 A1 19830116; FI 69669 B 19851129; FI 69669 C 19860310; FI 813268 L 19820422; FR 2492425 A1 19820423; FR 2492425 B1 19840817; US 4943349 A 19900724

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