

Title (en)

Concentrated aqueous gypsum suspensions and their use in paper production

Title (de)

Konzentrierte wässrige Gips suspensionen und ihre Verwendung bei der Papierherstellung

Title (fr)

Suspensions concentrées de gypse aqueux et leur utilisation dans la fabrication du papier

Publication

EP 1967649 A1 20080910 (EN)

Application

EP 08100527 A 20080116

Priority

IT VA20070018 A 20070216

Abstract (en)

Process for the preparation of paper characterised by the fact that an aqueous gypsum suspension having Brookfield viscosity at 25°C and 100 rpm comprised between 100 and 1,000 mPa·s and containing from 60 to 85% by weight of gypsum in the form of calcium sulphate dihydrate (Ca 2 SO 4 .2H 2 O) is added to the cellulose aqueous suspension used for the production of paper, the aqueous gypsum suspension containing from 0.1 to 2% by weight of an acrylic sulphonated polymer, or of an acrylic carboxylated polymer or of a polynaphthalene sulphonate, and from 0.1 to 1.0% by weight of an organic polyphosphonate.

IPC 8 full level

D21H 17/67 (2006.01)

CPC (source: EP)

D21H 17/67 (2013.01); **D21H 17/10** (2013.01); **D21H 17/37** (2013.01); **D21H 19/38** (2013.01); **D21H 19/44** (2013.01)

Citation (applicant)

- IT VA20060044 A 20060718
- EP 0056200 B1 19870923
- EP 1713568 A1 20061025 - BOZZETTO GIOVANNI SPA [IT]

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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