

Title (en)

Papermaking filler compositions.

Title (de)

Füllerzusammensetzung für die Papierherstellung.

Title (fr)

Compositions de charge pour la fabrication de papier.

Publication

EP 0361763 A2 19900404 (EN)

Application

EP 89309505 A 19890919

Priority

GB 8822577 A 19880926

Abstract (en)

A composition for flocculating paper- or boardmaking filler comprises particles of starch, in aqueous suspension, and a flocculating agent, eg. a polyacrylamide. Preflocculated filler for addition to a paper- or boardmaking stock may be prepared by adding such a composition to an aqueous slurry of filler particles, eg. calcium carbonate. The use of particulate starch that is insoluble in water at temperatures normally encountered in the wet-end of a paper- or boardmaking process, in particular temperatures below 35 DEG C, obviates the need for a preliminary solubilisation step. However, the starch is soluble at temperatures encountered in the drying stage of the paper- or boardmaking process, where a starch solution is formed which is distributed through the paper matrix and imparts thereto additional strength.

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IPC 8 full level

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CPC (source: EP)

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Cited by

US7476272B2; WO2013026578A1; US6099689A; CN113736014A; US5942087A; EP0936309A3; CN103180510A; AU2011295397B2; KR20140053211A; RU2614272C2; US9752283B2; US6238520B1; US10145067B2; US9181657B2; US8758562B2; WO2012025228A1; WO9904092A1; WO2004015015A1; WO2014105479A1; US6843888B2; US9388533B2; EP2609250B1

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