

Title (en)

Highly filled sheets and method of preparation thereof.

Title (de)

Hochgefüllte Blätter und Verfahren zu ihrer Herstellung.

Title (fr)

Feuilles fortement chargées et procédé pour leur préparation.

Publication

EP 0003481 A2 19790822 (EN)

Application

EP 78101807 A 19781221

Priority

US 87445878 A 19780202

Abstract (en)

A sheet which is a composite of (A) from about 1 percent to about 30 percent of a water-dispersible fiber such as wood fiber, (B) from about 2 percent to about 30 percent of a film-forming, water-insoluble organic polymer such as a copolymer of styrene and butadiene, and (C) from about 60 percent to about 95 percent of a finely-divided, substantially water-insoluble, non-fibrous, inorganic filler such as magnesium hydroxide is prepared by steps comprising: (I) providing an aqueous dispersion of the fiber; (II) mixing therewith (A) the inorganic filler and (B) the organic polymer in the form of an ionically stabilized latex; (III) colloidally destabilizing the resulting mixture to form a fibrous agglomerate in aqueous suspension; (IV) distributing and draining the aqueous dispersion on a porous substrate such as a wire to form a wet web; and (V) drying the web.

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IPC 8 full level

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Cited by

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