

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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CPC (source: EP)

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Cited by

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