

Title (en)
HIGHLY FILLED SHEETS AND METHOD OF PREPARATION THEREOF

Publication
EP 0003481 B1 19821027 (EN)

Application
EP 78101807 A 19781221

Priority
US 87445878 A 19780202

Abstract (en)
[origin: EP0003481A2] 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) colloiddally 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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EP0020884A1; FR2524772A1; US4925530A; EP0044868A4; US5302441A; EP0601243A1; EP0300909A1; FR2618373A1; EP0305433A4; EP0025060B1

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