

Title (en)

APPARATUS FOR THE PREPARATION OF BINDING FIBRES FROM POLYMER DISPERSIONS

Publication

EP 0071084 B1 19840328 (DE)

Application

EP 82106300 A 19820714

Priority

DE 3128873 A 19810722

Abstract (en)

[origin: US4534720A] An apparatus for the preparation of bonding fibers, especially for the production of nonwovens by a wet-lay process, wherein a polymer dispersion, containing an anionic or nonionic dispersant, and an aqueous solution, containing a dissolved cationic precipitant, are combined to cause fiber formation from precipitated polymer particles, which apparatus includes a feed funnel spaced above the bottom of a homogenization vessel with both a nozzle for introducing the polymer dispersion and a metering device for the precipitant, which are so arranged and aimed into the funnel that in co-operation with a stirrer a vortex is produced in a column of liquid in the feed funnel, and fibers are formed and broken up while passing through a turbulence chamber, located at the bottom of the funnel, and a gap into a homogenization chamber.

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EP 82106300 A 19820714; AT 82106300 T 19820714; DE 3128873 A 19810722; DE 3260084 T 19820714; JP 12454582 A 19820719; US 40004582 A 19820720