

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.

IPC 1-7  
**D01D 5/40**

IPC 8 full level  
**D01D 5/06** (2006.01); **D01D 5/40** (2006.01); **D04H 1/54** (2006.01)

CPC (source: EP US)  
**D01D 5/40** (2013.01 - EP US)

Cited by  
EP0384234A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0071084 A1 19830209**; **EP 0071084 B1 19840328**; AT E6875 T1 19840415; DE 3128873 A1 19830210; DE 3260084 D1 19840503; JP S5823912 A 19830212; US 4534720 A 19850813

DOCDB simple family (application)  
**EP 82106300 A 19820714**; AT 82106300 T 19820714; DE 3128873 A 19810722; DE 3260084 T 19820714; JP 12454582 A 19820719; US 40004582 A 19820720