

Title (en)
Device for mixing pulp suspension

Title (de)
Vorrichtung zum Vermischen von suspendiertem Faserstoff

Title (fr)
Dispositif pour mélanger d'une suspension fibreuse

Publication
EP 1116818 A2 20010718 (DE)

Application
EP 00126764 A 20001206

Priority
DE 29921879 U 19991213

Abstract (en)
The appts. for mixing fiber suspensions, to give a pulp for papermaking, has a mixing vessel (5) with at least one upstream mixing pipe (6) with feeds (8,9) for the fiber suspensions (1,2). It has an outflow (10) leading to a downstream mixing pump (4). The outflow (10) opens into the feed (11) of diluting material (3) to the mixing pump (4). The mixing pipe (6) has at least one static mixer (7). The mixing vessel (5) has a mechanical stirrer (12), with a drive. The vessel (5) is enclosed and can withstand an overpressure, or the vessel (5) is open. The outflow (10) from the vessel (5) has a pump. The vol. capacity of the mixing vessel (5) is set so that, for a given mixing operation, the dwell time of the suspension is 8-15 secs. The mixing pipe (6) dimensions are set, for a given mixing operation, to give an average suspension flow speed of 1-2 m/sec.

Abstract (de)
Die Vorrichtung dient zum Vermischen von mindestens zwei verschiedenen für die Papiererzeugung bestimmten Faserstoffsuspensionen (1, 2) untereinander und mit einem Dünnstoff (3) von geringerem Feststoffgehalt als die Faserstoffsuspensionen (1, 2). Die so gebildete Mischsuspension wird über eine Mischpumpe (4) einer Papiermaschine zugeleitet. Erfindungsgemäß enthält die Vorrichtung ein Mischgefäß (5, 5') mit mindestens einem stromaufwärts angeordneten Mischrohr (6) mit den entsprechenden Zuleitungen (8, 9). <IMAGE>

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