

Title (en)
MIXING FIBROUS CONSTITUENTS

Title (de)
MISCHEN VON FASERKOMPONENTEN

Title (fr)
MELANGE DE COMPOSANTS FIBREUX

Publication
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Application
EP 99966838 A 19991207

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Abstract (en)
[origin: WO0034557A1] The invention relates to a method and a device for mixing fibrous constituents using weight feeding according to which the fibrous material to be dosed is removed, each time, from fibrous balls and is delivered into a weighing container via a device provided for supplying material. A prefilling chamber is connected upstream from said weighing container. The weighing container is separated from the prefilling container by a controllable flap and, after weighing, the material is discharged from the weighing container and released onto a mixing strip. A desired specified weight curve is given to the weighing device for each fibrous component (I, II, III). In order to fill the weighing container (10), the device for supplying the material is controlled according to said specified weight curve by a corresponding variation of the delivery rate. The course of the weighing cycle is fixed by the corresponding percentile delivery rate over the percentile time of the weighing cycle (unit curve). The capacity of the prefilling chamber (8) corresponds to the capacity of the weighing container (10).

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Opponent :
• JP H07316965 A 19951205 - IKEGAMI KIKAI KK
• JP S6399330 A 19880430 - CHUSHO KIGYO JIGYODAN
• DE 3412920 A1 19851017 - ICOMA PACKTECHNIK GMBH [DE]
• DE 2421797 A1 19741121 - TOYODA AUTOMATIC LOOM WORKS
• DD 287573 A5 19910228 - AKAD WISSENSCHAFTEN DDR [DE]
• GB 1044541 A 19661005 - CLIFFE & COMPANY LTD
• DE 1510247 A1 19711230 - FIBER CONTROLS CORP
• DE 3233246 A1 19830428 - AUTOMATIC MATERIAL HANDLING [US]
• US 3939929 A 19760224 - HIDAKA HIDEO, et al
• Prospekt "FLOCKENMISCHANLAGEN" 6/91; Trützschler
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