

Title (en)
APPARATUS FOR BLENDING TEXTILE FIBERS

Title (de)
VORRICHTUNG ZUM MISCHEN VON TEXTILFASERN

Title (fr)
DISPOSITIF DE MELANGE DE FIBRES TEXTILES

Publication
EP 1339898 A2 20030903 (EN)

Application
EP 01966349 A 20010828

Priority
• US 0126869 W 20010828
• US 65414400 A 20000901
• US 78257101 A 20010213

Abstract (en)
[origin: WO0220883A2] Two dispersers tunnels (20, 22) are provided at a disperser station. Each disperser tunnel (20, 22) houses two dispersers (24, 26 and 28, 30). Each pair of dispersers (24, 26 and 28, 30) are spaced apart and confront each other, with a mixing zone (42, 54) being defined between them. A separate conveyor (32, 34, 36, 38) is provided for feeding textile fiber modules, e.g. cotton boll modules (18, 18', 18'', 18'''), to the dispersers (24, 26, 28, 30). Each pair of dispersers (24, 26) removes fiber clumps from the leading ends of the modules (18, 18', 18'', 18''') and dispenses them into the mixing zone (42, 54) in admixture with the fiber clumps from the other disperser (24, 26, 28, 30) of the pair. The blend or mixture of fiber clumps is collected in the upper run (50) of a conveyor (52) that serves to carry the fiber clumps away from the disperser station. The feed rate of the modules (18, 18', 18'', 18''') may be regulated and varied by regulating and varying the speed rates of the conveyors (32, 34, 36, 38).

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D01B 1/00; **D01G 13/00**; **D01G 7/04**

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