Title (en)
THREAD STORAGE AND DELIVERY DEVICE, PARTICULARLY FOR TEXTILE MACHINES

Publication
EP 0234208 B1 19891220 (DE)

Application
EP 87100244 A 19870110

Priority
DE 3601586 A 19860121

Abstract (en)
[origin: WO8704417A1] A yarn storage and feed device, in particular for textile machines, comprises a storage drum (4) in the form of a bar-type cage with a number of longitudinal yarn support elements arranged in a regularly-distributed manner in the circumferential direction. Each of the yarn support elements, attached at both ends of a drumlike body (13, 14, 15) and running essentially in the direction of the drum axis is designed in the manner of a narrow bar (16), which on the yarn input side comprises a radial inwardly-tapering region (17) which acts as a bevel stop for the incoming yarn (8), and, adjacent thereto, an essentially straight region (19) forming a yarn support region for several turns of a yarn coil (20), on which region follows a radially projecting, circular and peripheral yarn output flange (12). To avoid deposition of fluff etc., located adjacent to the yarn output flange (12) in the direction of the bevel stops on a radial inwardly-inclined peripheral surface (24) is a cover (23) rotationally-symmetric and coaxial to the axis of the drum, which at least in the regions lying between the adjacent bars (16) is continuous in the peripheral direction. The bars (16) penetrate directly into the cover (23). The peripheral surface (24), on the yarn output side of the storage drum (4), is continually denuded in an axial direction by the output yarn (8).

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IPC 8 full level
B65H 51/22 (2006.01); **D04B 15/48** (2006.01)

CPC (source: EP KR US)
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Cited by
US6131842A; US5782424A; EP0943571A3

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DE 3601586 C1 19870527; CN 1009640 B 19900919; CN 87100370 A 19870805; DD 253237 A5 19880113; EP 0234208 A1 19870902; EP 0234208 B1 19891220; ES 2012459 B3 19900401; HK 57291 A 19910802; JP H022778 B2 19900119; JP S63500793 A 19880324; KR 870007319 A 19870818; KR 890001491 B1 19890504; SU 1568893 A3 19900530; UA 7586 A1 19950929; US 4793565 A 19881227; WO 8704417 A1 19870730

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