

Title (en)
APPARATUS FOR SIZING WARP YARNS

Title (de)
EXPANDIERBARE POLYSTYROLPARTIKEL

Title (fr)
APPAREIL D'ENCOLLAGE DES FILS DE CHAINE

Publication
EP 0907783 B1 20011219 (EN)

Application
EP 97923891 A 19970514

Priority
• EP 9702462 W 19970514
• IT TO960407 A 19960516

Abstract (en)
[origin: WO9743479A1] An apparatus for sizing warp yarns (1) comprising an unwinding station (2) of the warps from a supply beam (3), an application assembly (13) of a sizing liquor onto the warp yarns including application cylinders (5) and guiding rollers (4, 12), a drier station including a horizontal drying oven (6), and a winding station (8) of the warps onto an outlet beam (9). The warp yarns (1) are advanced through the drying oven (6) along a straight path without any bearing means between the exit of the application assembly (13) and the exit (14) of the drying oven (6), and the drying oven (6) is equipped with a combined heating system including infrared ray radiator sources (X) and hot air blower sources (Y) operated simultaneously and in a combined fashion. Peculiar features are provided for enhancing treatment evenness and adhesion of the sizing material to the warp yarns.

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D06B 21/00; **D06B 1/14**; **F26B 3/28**

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D06B 1/14 (2006.01); **D06B 21/00** (2006.01); **F26B 3/28** (2006.01); **F26B 13/00** (2006.01)

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WO 9743479 A1 19971120; AU 2954597 A 19971205; DE 69709352 D1 20020131; DE 69709352 T2 20020620; EP 0907783 A1 19990414; EP 0907783 B1 20011219; ES 2170393 T3 20020801; IT 1285328 B1 19980603; IT TO960407 A0 19960516; IT TO960407 A1 19971116

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