

Title (en)
DRIVING DEVICE FOR FEEDING MATERIAL TO BE SEWN IN A SEWING MACHINE

Title (de)
ANTRIEBSVORRICHTUNG FÜR DEN NÄHGUTVORSCHUB EINER NÄHMASCHINE

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT POUR FAIRE AVANCER UN ARTICLE À COUDRE SUR UNE MACHINE À COUDRE

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Application
EP 97942697 A 19971006

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• AT 176096 A 19961004

Abstract (en)
[origin: US6095070A] PCT No. PCT/AT97/00213 Sec. 371 Date Apr. 1, 1999 Sec. 102(e) Date Apr. 1, 1999 PCT Filed Oct. 6, 1997 PCT Pub. No. WO98/15678 PCT Pub. Date Apr. 16, 1998A drive means for feeding a material to be sewn on a sewing machine (1) includes a feed dog (7) to be coupled to a continuous rotary drive (9) via at least one intermediate drive. To achieve optimum drive conditions in a comparatively simple way, the intermediate drive consists of a belt drive (10) with a belt (13) circulating around a drive wheel (11) and a driven wheel (12), where the belt (13) having an excess length is guided over a control roller (14) at the working portion thereof (131) and over a tension roller (15) at the return portion (132) thereof, and the control roller (14) and the tension roller (15) are mounted so as to be periodically reciprocated in the sense of a release or deflection of the belt (13) for decelerating, stopping and accelerating the rotation of the driven wheel, and the driven wheel (12) is in rotary connection with a feed dog (7) designed as circular conveyor, in particular as conveyor belt (20).

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