Title (en)
A doubling machine

Title (de)
Fachspulmaschine

Title (fr)
Doubleuse

Publication
EP 0812793 A2 19971217 (EN)

Application
EP 97303756 A 19970603

Priority
JP 14771196 A 19960610

Abstract (en)
In a doubling machine having a pulley (11) and a drum (7) having traverse grooves (8) to move a yarn thread (5) traversely therealong so as to supply the yarn thread to a wind-up package (9) by rotating the wind-up package (9), The pulley (11) has a groove (12) V-shaped in cross section, and is rotationally supported around its central axis (11A) so as to guide the yarn thread (5) toward the drum (7). An angle-adjustable member (20) is provided to incline the pulley (11) obliquely against a thread-supply path (Tp, Tq) in which the yarn thread (5) runs via the pulley (11) to the drum (7) so as to bring the yarn thread (5) into contact with inner walls of the groove (12) of the pulley (11). A contact changing member (15a, 15b) is provided to change the condition which brings the yarn thread (5) into contact with the inner wall of the groove (12) when the yarn thread (5) runs out of the pulley (11) from the condition which brings the yarn thread (5) into contact with the inner wall of the groove (12) when the yarn thread (5) is introduced into the pulley (11). <IMAGE>

IPC 1-7
B65H 57/14

IPC 8 full level
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CPC (source: EP KR)
B65H 54/026 (2013.01 - EP); B65H 57/00 (2013.01 - KR); B65H 57/14 (2013.01 - EP); B65H 2701/31 (2013.01 - EP)

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CN110790084A; CN114751252A; CN107245781A; US2018170707A1; EP3307664A4; CN113844952A; WO2016201274A1; US10640323B2; EP3118360B1

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