

Title (en)
YARN BREAKAGE DETECTOR FOR MULTIPLE WOUND SINGLE YARNS

Publication
EP 0024695 B1 19850206 (DE)

Application
EP 80104982 A 19800821

Priority
DE 2934325 A 19790824

Abstract (en)
[origin: EP0024695A1] 1. Yarn breakage detector (17) which produces an output signal in response to a measuring value to interrupt the conveyance of the yarn during a process, in which a plurality of individual threads (6) are plied in a plying point (20) into an aggregate yarn, and the aggregate yarn is conveyed by yarn delivery means (1, 2, 3, 4) while being treated and subsequently wound up, with the yarn breakage detector (17) being arranged between the first yarn delivery means (1) and the winding means (15) and connected with a means (14) for interrupting the conveyance of the yarn, characterized by the fact the said yarn breakage detector comprises a denier measuring device (18) which measures the denier of the aggregate yarn and that the means (14) connected with the denier measuring device (18) interrupts the conveyance of the yarn, if the measured denier value exhibits a variation below the desired denier value of the aggregate yarn by more than 10% of the denier of the individual threads.

IPC 1-7
B65H 63/06; D01H 13/22; G01B 7/12; G01B 11/10

IPC 8 full level
B65H 63/06 (2006.01); **D01H 13/22** (2006.01); **G01B 7/12** (2006.01); **G01B 11/10** (2006.01)

CPC (source: EP)
B65H 63/06 (2013.01); **B65H 2701/31** (2013.01)

Cited by
US5054174A; DE3808957A1

Designated contracting state (EPC)
CH DE GB IT LI

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