

Title (en)

Method and apparatus for manufacturing special yarn

Title (de)

Verfahren und Einrichtung zur Herstellung eines Effektgarns

Title (fr)

Procédé et appareil pour la fabrication d'un fil spécial

Publication

EP 1602756 B1 20160629 (EN)

Application

EP 05011036 A 20050520

Priority

JP 2004153532 A 20040524

Abstract (en)

[origin: EP1602756A2] A motor (18), which drives a pair of front rollers (17) of a draft part (16), is controlled such that the rotation speed of the pair of front rollers is decreased from a reference speed (N0) to a decelerated speed (N1) and thereafter increased to the reference speed based on a designed thickness profile (DP) including a slub length (L). The yarn length (La) spun while the rotation speed of the pair of front rollers is increased from the decelerated speed to the reference speed is computed in advance. When the rotation speed of the pair of front rollers is decreased from the reference speed to the decelerated speed, the motor is controlled such that the rotation speed of the pair of front rollers is increased at a point in time at which the yarn length spun from when the rotation speed of the pair of front rollers is started to be decreased reaches a value obtained by subtracting the yarn length computed in advance from the slub length of the designed thickness profile. Therefore, a special yarn that accurately conforms to the designed thickness profile is manufactured.

IPC 8 full level

D01H 5/36 (2006.01); **D02G 3/36** (2006.01)

CPC (source: EP)

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Cited by

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EP 1602756 A2 20051207; **EP 1602756 A3 20060621**; **EP 1602756 B1 20160629**; CN 100398712 C 20080702; CN 1702206 A 20051130; ES 2591238 T3 20161125; JP 2005336627 A 20051208; JP 4333477 B2 20090916

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