

Title (en)

DOUBLE BAR WITH A VARIABLE COUPLE RESISTANCE

Publication

EP 0088032 B1 19860528 (FR)

Application

EP 83420028 A 19830225

Priority

FR 8203872 A 19820303

Abstract (en)

[origin: ES8401537A1] The present invention relates to a yarn winding spindle cap having a variable moment of resistance, the spindle cap having diametrically oppositely extending arm portions, each of the ends of which supports a vertically oriented bushing, and the opposite ends of a loop of single strand are fixed in the bushings and position the loop so that it rubs against the periphery of the bobbin with a view to braking the spindle cap as a function of the diameter of said bobbin.

IPC 1-7

B65H 59/06; D01H 7/86

IPC 8 full level

D01H 7/86 (2006.01); **B65H 59/08** (2006.01); **D01H 13/10** (2006.01)

CPC (source: EP US)

B65H 59/08 (2013.01 - EP US); **D01H 13/102** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE GB IT

DOCDB simple family (publication)

EP 0088032 A2 19830907; EP 0088032 A3 19840118; EP 0088032 B1 19860528; DE 3363668 D1 19860703; ES 520230 A0 19831201;
ES 8401537 A1 19831201; FR 2522698 A1 19830909; FR 2522698 B1 19840525; JP S58203127 A 19831126; US 4487009 A 19841211

DOCDB simple family (application)

EP 83420028 A 19830225; DE 3363668 T 19830225; ES 520230 A 19830302; FR 8203872 A 19820303; JP 3391283 A 19830303;
US 46967083 A 19830225