Title (en)
   Thread take-up device

Title (de)
   Fadenaufhol-Vorrichtung

Title (fr)
   Dispositif chargé de récupérer l'excédent de fil

Publication
   EP 1605085 A1 20051214 (DE)

Application
   EP 04013832 A 20040612

Priority
   EP 04013832 A 20040612

Abstract (en)
   To maintain the yarn tension during reversal of the carriage at the end of its travel, the yarn (40) is taken through a clamp (2) and an eyelet (13) at
   the end of a spring-loaded dancer arm (1). The movement (SG) of the arm (1) takes up the surplus yarn (W) during carriage reversal (X, Y) and also
   operates the clamp (2). During part (SL) of the movement the clamp is open, but is shut during the remaining part (SF) to avoid excess yarn feed.
   Alternative trigger mechanisms are shown to provide sudden closing and opening of the clamp. The dancer arm swings round a pivot (10) and is a
   double-ended lever, the upper end (12) operating the trigger. The clamping force is provided by a separate spring and does not depend on the yarn
   tension.

Abstract (de)
   Eine Fadenaufhol-Vorrichtung (100) umfasst einen Fadenaufholarm (1; 1') und eine Fadenklemme (2; 2') zur Klemmung des Fadens (40) zwischen
   einer Fadenspule (30) und einer Fadenöse (13) des Fadenaufholarms (1; 1').Das Öffnen und Schließen der Fadenklemme (2; 2') wird durch die
   Bewegung des Fadenaufholarms (1; 1') gesteuert. <IMAGE>

IPC 1-7
   D04B 15/44

IPC 8 full level
   D04B 15/44 (2006.01)

CPC (source: EP)
   D04B 15/44 (2013.01)

Citation (search report)
   • [X] DE 2203376 A1 19730712 - MADAG MASCHINEN APPARATEBAU
   • [X] CH 620720 A5 19801215 - SULZER MORAT GMBH [DE]
   • [X] EP 0381908 A1 19900816 - ABRIL CULLELL

Cited by
   CN103668752A; CN116946807A

Designated contracting state (EPC)
   DE IT TR

DOCDB simple family (publication)
   EP 1605085 A1 20051214; **EP 1605085 B1 20110223**; CN 100443650 C 20081217; CN 1707007 A 20051214; DE 502004012222 D1 20110407

DOCDB simple family (application)
   EP 04013832 A 20040612; CN 200510078138 A 20050613; DE 502004012222 T 20040612