

Title (en)
THREAD STORE WITH THREAD DRAW-OFF BRAKE

Title (de)
FADENSPEICHER MIT FADENABZUGSBREMSE

Title (fr)
SYSTEME DE STOCKAGE DE FIL AVEC FREIN D'ETIRAGE DU FIL

Publication
EP 0755359 B1 19971112 (DE)

Application
EP 95908936 A 19950213

Priority
• DE 9406102 U 19940413
• EP 9500522 W 19950213

Abstract (en)
[origin: WO9528348A1] The invention relates to a thread store with a substantially cylindrical drum (2) for the winding and unwinding of circumferentially laid thread turns (3) and a central thread draw-off eye (4) for the overhead withdrawal of the thread (5) and with a spring-loaded brake surface (8) supported on a withdrawal sliding surface (6) allocated to the draw-off side of the end region (2') of the drum formed by the inside of a truncated cone-shaped jacket-like brake band (9) of flexible material. To improve and especially to regularise thread withdrawal on such a device, the brake band (9) lies flat on a truncated cone-shaped withdrawal sliding surface (6) on the face of the drum. In addition, the truncated cone-shaped brake band is to be spring loaded with elastic damping by means of foam ring.

IPC 1-7
B65H 51/22; **B65H 59/22**

IPC 8 full level
B65H 51/22 (2006.01); **B65H 59/10** (2006.01); **B65H 59/14** (2006.01); **B65H 59/22** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP KR)
B65H 51/22 (2013.01 - KR); **B65H 59/22** (2013.01 - EP KR); **D03D 47/366** (2013.01 - EP); **B65H 2402/60** (2013.01 - EP);
B65H 2701/31 (2013.01 - EP)

Cited by
EP3296242A3

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
DE 9406102 U1 19950810; AU 1707395 A 19951110; CN 1063722 C 20010328; CN 1149863 A 19970514; DE 59500989 D1 19971218;
EP 0755359 A1 19970129; EP 0755359 B1 19971112; ES 2109814 T3 19980116; JP H09511975 A 19971202; KR 970702209 A 19970513;
WO 9528348 A1 19951026

DOCDB simple family (application)
DE 9406102 U 19940413; AU 1707395 A 19950213; CN 95193427 A 19950213; DE 59500989 T 19950213; EP 9500522 W 19950213;
EP 95908936 A 19950213; ES 95908936 T 19950213; JP 52664895 A 19950213; KR 19960705655 A 19961009