

Title (en)

REEL FOR SUPPORTING OPTICAL FIBRES AND METHOD FOR CONTROLLING THE DEFORMATIONS EXPERIENCED BY THE SAID REEL DURING WINDING

Title (de)

SPULE ZUM TRAGEN VON GLASFASERN UND VERFAHREN ZUM KONTROLLIEREN DER VERFORMUNGEN, DIE DIESE SPULE WÄHREND DES AUFWICKELNS ERFÄHRT

Title (fr)

BOBINE DE SUPPORT DE FIBRES OPTIQUES ET PROCEDE DE COMMANDE DES DEFORMATIONS SUBIES PAR LADITE BOBINE LORS DE L'ENROULEMENT

Publication

EP 1028909 B1 20020220 (EN)

Application

EP 98959831 A 19981104

Priority

- EP 98959831 A 19981104
- EP 9806969 W 19981104
- EP 97119380 A 19971106
- US 6447097 P 19971106

Abstract (en)

[origin: WO9924345A1] Reel for supporting optical fibres comprising a winding drum (2) having a tubular cylindrical shape, a pair of containing flanges (3), each of which is positioned close to one of the end edges (2a) of the said drum, a central core (6) positioned coaxially inside the winding drum (2) and at least one pair of interconnecting flanges (7) positioned either side of a transverse median plane (X-X) of the reel (1), each of which extends from the central core (6) to the winding drum (2). The said interconnecting flanges (7) are joined to the winding drum (2) at an attachment point (P) and to the central core at an anchor point (P'). This anchor point (P') is positioned closer to the transverse median plane (X-X) of the reel than is the attachment point (P) so as to form a given angle between the said interconnecting flange (7) and the core (6) such as to limit deformation of the containing flanges during rotation.

IPC 1-7

B65H 75/14

IPC 8 full level

B65H 75/14 (2006.01)

CPC (source: EP US)

B65H 75/14 (2013.01 - EP US); **B65H 2701/32** (2013.01 - EP); **B65H 2701/5122** (2013.01 - EP); **B65H 2701/5136** (2013.01 - EP)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9924345 A1 19990520; AR 014018 A1 20010131; AU 1559299 A 19990531; AU 734709 B2 20010621; BR 9813954 A 20000926; CA 2308560 A1 19990520; CA 2308560 C 20070710; DE 69803941 D1 20020328; DE 69803941 T2 20021017; EP 1028909 A1 20000823; EP 1028909 B1 20020220; ES 2172250 T3 20020916; JP 2001522769 A 20011120; NZ 504558 A 20030530

DOCDB simple family (application)

EP 9806969 W 19981104; AR P980105616 A 19981106; AU 1559299 A 19981104; BR 9813954 A 19981104; CA 2308560 A 19981104; DE 69803941 T 19981104; EP 98959831 A 19981104; ES 98959831 T 19981104; JP 2000520368 A 19981104; NZ 50455898 A 19981104