

Title (en)
Anti-balloon device for weaving loom weft feeders

Title (de)
Ballonbegrenzer für eine Schussfadenliefervorrichtung in Webmaschinen

Title (fr)
Dispositif anti-ballon pour les fournisseurs de trame de métiers à tisser

Publication
EP 1132510 A2 20010912 (EN)

Application
EP 01104568 A 20010305

Priority
IT TO20000219 A 20000310

Abstract (en)
In a weft feeder (1) comprising a fixed drum (2) on which a rotating arm (3) winds a weft reserve (RT) whose turns unwind from the drum (2), passing through a terminal thread guide (G) under the control of a braking means (4), an anti-balloon device (5) constituted by a frustum-shaped ring (5a) whose smaller diameter is slightly larger than the diameter of the feeder drum (2); the ring is fitted on the drum and is arranged directly ahead of the braking means (4), and the ring (5a) is connected, by way of pivoting means (6) with controlled rotation, to the structure of the feeder (1) so that it can be inclined at an angle to the longitudinal axis of the drum (2) in order to pass from an active position, in which the ring is at right angles to the axis of the drum (2), to a position for threading the feeder (1), in which the ring is inclined at an angle with respect to the drum axis. <IMAGE>

IPC 1-7
D03D 47/34; **B65H 51/22**; **B65H 57/22**

IPC 8 full level
B65H 51/22 (2006.01); **B65H 57/22** (2006.01); **D03D 47/34** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP)
B65H 57/003 (2013.01); **B65H 57/22** (2013.01); **D03D 47/366** (2013.01); **B65H 2701/31** (2013.01)

Cited by
EP2889249A1; US9884739B2; WO2006131173A1; WO2006027197A1

Designated contracting state (EPC)
BE CH DE LI SE

DOCDB simple family (publication)
EP 1132510 A2 20010912; **EP 1132510 A3 20030507**; **EP 1132510 B1 20041110**; CN 1270010 C 20060816; CN 1319690 A 20011031; DE 60106995 D1 20041216; DE 60106995 T2 20051208; IT 1319948 B1 20031112; IT TO20000219 A0 20000310; IT TO20000219 A1 20010910

DOCDB simple family (application)
EP 01104568 A 20010305; CN 01111210 A 20010309; DE 60106995 T 20010305; IT TO20000219 A 20000310