

Title (en)

Thread buffer for a working station of an open end spinning machine

Title (de)

Fadenspeicher für eine Arbeitsstelle einer Offenend-Spinnmaschine

Title (fr)

Réserve de fil pour un poste de travail d'une machine à filer à fibres libérées

Publication

EP 2251291 A3 20140219 (DE)

Application

EP 10004272 A 20100422

Previously filed application

102009021066 20090513 DE

Priority

DE 102009021066 A 20090513

Abstract (en)

[origin: EP2251291A2] The device (2) has laminated spring elements (32, 34) arranged at a holder that is supported in a swivelable manner. A yarn deflection roller (36) is arranged at the spring elements. One of the spring elements (32) support the yarn deflection roller, and the other spring element (34) is provided at a distance to the former spring element. The former spring element exhibits reduced spring force than that of the latter spring element. The former spring element exhibits thickness that ranges from 0.2 to 0.3 mm. The latter spring elements exhibit thickness of 0.4 mm.

IPC 8 full level

B65H 51/20 (2006.01); **B65H 59/36** (2006.01); **D01H 4/48** (2006.01)

CPC (source: EP)

B65H 51/20 (2013.01); **B65H 59/36** (2013.01); **D01H 4/48** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [X] EP 0013510 A1 19800723 - DU PONT CANADA [CA]
- [XI] US 4030376 A 19770621 - BAUDOUIN JEAN-CLAUDE, et al
- [X] JP S60113612 A 19850620 - MITSUBISHI HEAVY IND LTD
- [YD] DE 2803378 C2 19870212
- [YD] EP 0790208 B1 19990616 - IRO AB [SE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2251291 A2 20101117; **EP 2251291 A3 20140219**; **EP 2251291 B1 20170531**; CN 101885434 A 20101117; CN 101885434 B 20130814; DE 102009021066 A1 20101118

DOCDB simple family (application)

EP 10004272 A 20100422; CN 201010176499 A 20100510; DE 102009021066 A 20090513