

Title (en)
Yarn delivering device

Title (de)
Liefervorrichtung für laufende Fäden

Title (fr)
Dispositif fournisseur de fil

Publication
EP 0659918 B1 20031029 (DE)

Application
EP 94116058 A 19901210

Priority
• DE 4007131 A 19900307
• EP 90123730 A 19901210

Abstract (en)
[origin: EP0446447A1] The invention relates to a delivery device for running yarns, especially for use on textile machines, having a storage drum (11), to which the yarn (F) is fed in the rear region by means of a yarn-guide tube (9) encircling the storage drum and from which the yarn (F) is drawn off overhead by means of a yarn draw-off eye (19). To allow as simple an automatic threading of the yarn (F) as possible by means of compressed air, it proposes that a deflection, directed radially inwards towards the yarn draw-off eye (19), of the yarn end flying freely in a plane vertically above the yarn draw-off eye (19) should take place, this being achieved solely by means of a suction-air flow lying on the outer surface of the head cone (16). <IMAGE>

IPC 1-7
D03D 47/34; **B65H 51/16**

IPC 8 full level
B65H 51/16 (2006.01); **B65H 51/22** (2006.01); **B65H 51/28** (2006.01); **D03D 47/34** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP US)
B65H 51/16 (2013.01 - EP US); **B65H 57/003** (2013.01 - EP US); **D03D 47/34** (2013.01 - EP US); **D03D 47/364** (2013.01 - EP US); **D03D 47/366** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by
EP0826619A1; US6082654A; US5947403A; CN1076706C; WO9703908A1

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

DOCDB simple family (publication)
EP 0446447 A1 19910918; **EP 0446447 B1 19950705**; **EP 0446447 B2 20001122**; AT E124732 T1 19950715; AT E253134 T1 20031115; BR 9100911 A 19911105; CN 1026424 C 19941102; CN 1054624 A 19910918; CS 9100584 A2 19910915; CZ 281399 B6 19960911; DE 4007131 A1 19910912; DE 4007131 C2 19991230; DE 59009377 D1 19950810; DE 59010936 D1 20031204; EP 0657379 A2 19950614; EP 0659918 A2 19950628; EP 0659918 A3 19971119; EP 0659918 B1 20031029; ES 2074112 T3 19950901; JP 3021712 B2 20000315; JP H04213561 A 19920804; US 5181544 A 19930126

DOCDB simple family (application)
EP 90123730 A 19901210; AT 90123730 T 19901210; AT 94116058 T 19901210; BR 9100911 A 19910306; CN 91101057 A 19910220; CS 58491 A 19910306; DE 4007131 A 19900307; DE 59009377 T 19901210; DE 59010936 T 19901210; EP 94116058 A 19901210; EP 94119612 A 19901210; ES 90123730 T 19901210; JP 4194791 A 19910307; US 64705291 A 19910129