

Title (en)
DEVICE TO DRAW-OFF OR GUIDE LONG ITEMS

Publication
EP 0442037 B1 19930811 (DE)

Application
EP 90119319 A 19901009

Priority
DE 4004312 A 19900213

Abstract (en)
[origin: EP0442037A1] For drawing off and/or guiding elongate articles, such as electrical cables, tubes, ropes and the like, there are collet chucks (3a;3b) moved in the drawing-off direction by endless chains (5) and mounted on clamping carriages (4). These collet chucks are located opposite one another in pairs transversely relative to the drawing-off direction and in this direction are mounted so as, during their movement in the drawing-off direction, to be movable relative to one another up against the article (2) or away from this, the clamping carriages (4) being guided laterally. To make the rotation uniform, the lateral guide consists of endless guide rails (12) extending along the entire path of rotation of the clamping carriages (4).

IPC 1-7
B21D 43/10; B65H 51/18

IPC 8 full level
B65H 51/18 (2006.01); **B21C 1/30** (2006.01); **B21C 1/34** (2006.01); **B21C 37/08** (2006.01); **B21D 43/10** (2006.01); **B21D 43/12** (2006.01); **B65H 51/14** (2006.01)

CPC (source: EP)
B21C 1/30 (2013.01); **B21C 37/0807** (2013.01); **B21D 43/12** (2013.01); **B65H 51/14** (2013.01)

Cited by
EP2243567A1; EP1035354A3; US11258223B1; US10421144B2; EP1676655A1; EP1640084A3; WO2019025907A1

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

DOCDB simple family (publication)
EP 0442037 A1 19910821; EP 0442037 B1 19930811; AT E92884 T1 19930815; CN 1026679 C 19941123; CN 1054049 A 19910828; DE 4004312 A1 19910814; DE 59002321 D1 19930916; DK 0442037 T3 19931122; ES 2044364 T3 19940101; FI 910680 A0 19910212; FI 910680 A 19910814; FI 92384 B 19940729; FI 92384 C 19941110; JP 3054203 B2 20000619; JP H04288921 A 19921014; RU 1827364 C 19930715

DOCDB simple family (application)
EP 90119319 A 19901009; AT 90119319 T 19901009; CN 91100942 A 19910211; DE 4004312 A 19900213; DE 59002321 T 19901009; DK 90119319 T 19901009; ES 90119319 T 19901009; FI 910680 A 19910212; JP 1889291 A 19910212; SU 4894513 A 19910212