

Title (en)  
DEVICE FOR CONTINUOUSLY WINDING A CONTINUOUS ELONGATE ELEMENT

Publication  
**EP 0025340 B1 19840711 (EN)**

Application  
**EP 80303078 A 19800903**

Priority  
JP 11487479 A 19790907

Abstract (en)  
[origin: EP0025340A1] A device for continuously winding a continuous elongate element, especially a strand (6) formed by gathering together a large number of glass filaments drawn from a bushing, provided with two or more main winding spools (8a, 8b) which are adapted to be brought to a predetermined winding position one by one and an auxiliary winding spool (13) which is normally held in an inoperative position spaced apart from the winding position by such a distance as not to interfere with the operation of the main winding spool in the winding position and, whenever the main spool in the winding position becomes full, is brought into engagement with this main spool in coaxial relationship and rotates at the same speed as the winding speed of the main spool. The strand is transferred from the full main spool to the auxiliary spool connected to the former and after an empty main spool is brought to be engagement with the auxiliary spool in place of the full main spool, the strand is transferred from the auxiliary spool to the empty main spool. In this manner, even when the full main spool is replaced with the empty main spool, the winding of the strand is continued at a substantially constant speed. The auxiliary winding spool (13) further may have a built-in strand cutter (118) which acts to cut off the strand bridging between the main spool and the auxiliary spool in a moment when the both spools are disconnected from one another.

IPC 1-7  
**B65H 54/02**; **B65H 67/04**; **C03B 37/10**

IPC 8 full level  
**B65H 67/048** (2006.01)

CPC (source: EP)  
**B65H 67/048** (2013.01); **B65H 2701/3122** (2013.01)

Cited by  
US4511095A; CH709605A1; CN109399913A; WO9918024A1; US10563326B2

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0025340 A1 19810318**; **EP 0025340 B1 19840711**; AU 519820 B2 19811224; AU 6207580 A 19810312; BE 885103 A 19801231; CA 1137950 A 19821221; DE 3068527 D1 19840816; JP S5643164 A 19810421; JP S572629 B2 19820118

DOCDB simple family (application)  
**EP 80303078 A 19800903**; AU 6207580 A 19800905; BE 201998 A 19800905; CA 359051 A 19800826; DE 3068527 T 19800903; JP 11487479 A 19790907