

Title (en)  
Winding apparatus.

Title (de)  
Fadenaufspulvorrichtung.

Title (fr)  
Dispositif de bobinage.

Publication  
**EP 0510829 A1 19921028 (EN)**

Application  
**EP 92303051 A 19920407**

Priority  
GB 9108861 A 19910425

Abstract (en)  
A yarn winding apparatus comprises two clutches (20,21), the input sides of which are continuously driven in opposed directions by a motor (18) or by respective motors (18,19). At any given moment one of the clutches (20) is engaged whilst the other (21) is disengaged, so that yarn traversing apparatus (13,14) is driven in a first direction to move the yarn (12) in one direction along a traverse path to a predetermined end of stroke location, whereupon a control device (22) causes disengagement of the one clutch (20) and engagement of the other clutch (21) to drive the yarn traversing apparatus (13,14) in the opposite direction and hence the yarn (12) in the reverse direction along the traverse path. Preferably the clutches (20,21) are electrorheological fluid or magneto-rheological suspension clutches, each of which is coupled to a respective one of two spaced pulleys (15,16) around which travels an endless band (14), having a traversing yarn guide (13) thereon. The control device (22) may be programmable to vary the traverse speed and end of stroke locations to avoid patterning and ridged or collapsed package ends. <IMAGE>

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**B65H 54/28**

IPC 8 full level  
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