

Title (en)  
Winding apparatus.

Title (de)  
Wickelvorrichtung.

Title (fr)  
Appareil à retordre.

Publication  
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Application  
**EP 91310221 A 19911105**

Priority  
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Abstract (en)  
A winding apparatus (10), which comprises an elongate roll (14) with a double helical endless groove (19) in the cylindrical surface (20) thereof in which a yarn guide device (18) slides under the constraint of a guide rail arrangement (17) to traverse a path parallel with the axis (15) of the roll (14), is characterised by the yarn guide device (18) having a yarn guide (22) and a guide formation (23) at spaced locations on a follower part (21) which slides in the groove (19). The guide formation (23) may be a guide post (23a) which cooperates with a pair of guide rails (17a or 17b) or a groove (24a) in the underside of the guide rail (17), or a slot (23b) in the follower part (21) which cooperates with a rib (24b) on the underside of the guide rail (17). With such apparatus (10) the tendency for the yarn guide device (18) to tilt in the groove (19) of the roll (14) is considerably reduced so as to reduce wear, and there is a reduced risk of contamination of the yarn (11) by guide rail (17) lubrication. <IMAGE>

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**B65H 54/2812** (2013.01); **B65H 2701/31** (2013.01)

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