

Title (en)  
CROSS-WIND BOBBIN

Title (de)  
KREUZWICKELSPULE

Title (fr)  
BOBINE A BOBINAGE CROISE

Publication  
**EP 1358120 A1 20031105 (DE)**

Application  
**EP 02701234 A 20020125**

Priority  

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Abstract (en)  
[origin: WO02060800A1] The invention relates to a cross-wind bobbin (1) wherein the helical lines in which the yarn (4) is wound have a different pitch in adjacent positions. The winding ratios are selected in such a way that the amount which is drawn off is greater when the draw-off point is displaced from the draw-off side to the base than the amount which is drawn off when the draw-off point is moved from the base to the draw-off side.

IPC 1-7  
**B65H 55/04**

IPC 8 full level  
**B65H 55/04** (2006.01)

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**B65H 54/06** (2013.01 - KR); **B65H 55/04** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

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**WO 02060800 A1 20020808**; CN 1254428 C 20060503; CN 1500060 A 20040526; DE 10104463 A1 20020912; DE 50209280 D1 20070308;  
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