

Title (en)
CROSS-WIND BOBBIN

Title (de)
KREUZWICKELSPULE

Title (fr)
BOBINE A BOBINAGE CROISE

Publication
EP 1358120 B1 20070117 (DE)

Application
EP 02701234 A 20020125

Priority
• DE 0200250 W 20020125
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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 8 full level
B65H 55/04 (2006.01)

CPC (source: EP KR US)
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Cited by
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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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WO 02060800 A1 20020808; CN 1254428 C 20060503; CN 1500060 A 20040526; DE 10104463 A1 20020912; DE 50209280 D1 20070308; EP 1358120 A1 20031105; EP 1358120 B1 20070117; JP 2004533981 A 20041111; JP 4323168 B2 20090902; KR 20030076639 A 20030926; US 2004104290 A1 20040603; US 7246764 B2 20070724

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DE 0200250 W 20020125; CN 02807447 A 20020125; DE 10104463 A 20010201; DE 50209280 T 20020125; EP 02701234 A 20020125; JP 2002560959 A 20020125; KR 20037010053 A 20030730; US 46703504 A 20040108