

Title (en)

Cross-wound bobbin of cylindrical shape, and corresponding winding method

Title (de)

Zylindrische Kreuzspule und Verfahren zur Bildung des Wickelkörpers einer zylindrischen Kreuzspule

Title (fr)

Bobine croisée cylindrique, et méthode de bobinage correspondante

Publication

EP 1321547 B1 20061025 (DE)

Application

EP 02025455 A 20021115

Priority

DE 10162777 A 20011220

Abstract (en)

[origin: EP1321547A1] To wind cylindrical cross wound bobbins (3), at a rotor spinning machine, the wound body (12) is formed by a reciprocating yarn guide to give a yarn intersection angle (α M) at the center zone (22) which is ≤ 26 degrees . The yarn angle towards the end zones (20,21) has a larger yarn intersection angle (α R). The center zone of the bobbin is $\geq 50\%$ of the total bobbin width (BWG).

IPC 8 full level

B65H 54/06 (2006.01); **D01H 4/40** (2006.01); **B65H 54/38** (2006.01); **B65H 55/00** (2006.01); **B65H 55/04** (2006.01)

CPC (source: EP US)

B65H 54/385 (2013.01 - EP US); **B65H 55/04** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by

KR20240011984A

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

EP 1321547 A1 20030625; **EP 1321547 B1 20061025**; CN 1269712 C 20060816; CN 1426948 A 20030702; DE 10162777 A1 20030703; DE 50208533 D1 20061207; JP 2003192229 A 20030709; US 2003116672 A1 20030626; US 6886770 B2 20050503

DOCDB simple family (application)

EP 02025455 A 20021115; CN 02157600 A 20021220; DE 10162777 A 20011220; DE 50208533 T 20021115; JP 2002366977 A 20021218; US 32447702 A 20021220