

Title (en)

Winding station of cross wound package producing textile winding machine

Title (de)

Spulstelle für eine Kreuzspulen herstellende Textilmaschine

Title (fr)

Tête de bobinage pour la production des bobines croisées pour machines textiles

Publication

EP 1445227 B1 20060906 (DE)

Application

EP 04000299 A 20040109

Priority

DE 10304366 A 20030204

Abstract (en)

[origin: EP1445227A1] A cross-wound bobbin rests on an upright spindle and surrenders its thread as this is drawn off horizontally to a textile machine. The thread discharges first horizontally to a pulley wheel (23) that is spring-mounted on a horizontal arm. The arm rises and falls to maintain horizontal discharge of the thread from the bobbin. The pulley wheel is maintained at all times below the highest point of the bobbin. Thread discharge speed variations are minimized by horizontal variation of the gap (a) between the pulley and bobbin axis (33). The pulley arm (24) end rises and falls (29) in a groove (31) under power.

IPC 8 full level

B65H 57/14 (2006.01); **B65H 49/34** (2006.01)

CPC (source: EP)

B65H 49/34 (2013.01); **B65H 57/14** (2013.01); **B65H 2701/31** (2013.01)

Cited by

WO2020031457A1; EP1847496A3; CN112424100A; JPWO2020031457A1; EP4342831A2

Designated contracting state (EPC)

DE IT TR

DOCDB simple family (publication)

EP 1445227 A1 20040811; **EP 1445227 B1 20060906**; CN 100400400 C 20080709; CN 1535912 A 20041013; DE 10304366 A1 20040805; DE 502004001373 D1 20061019

DOCDB simple family (application)

EP 04000299 A 20040109; CN 200410004012 A 20040204; DE 10304366 A 20030204; DE 502004001373 T 20040109