

Title (en)

Apparatus for forming a yarn reserve winding and a cross wound bobbin on a bobbin tube

Title (de)

Vorrichtung zum Aufwickeln einer Fadenreserve und einer Kreuzspule auf eine Spulenhülse

Title (fr)

Dispositif pour la formation d'une réserve de fil et une bobine à fils croisés sur un tube-bobine

Publication

EP 1520824 A3 20050720 (DE)

Application

EP 04018190 A 20040731

Priority

DE 10346096 A 20031004

Abstract (en)

[origin: EP1520824A2] The assembly to wind cross wound bobbins has a centering plate (4) with at least one suction channel (4.1) extending radially inwards from the circumference. The channel opens into a hollow axis (2), and passes outwards through the bobbin frame arm (1). A suction head (A) can be applied in an axial direction, fitted with a yarn clamp (17,18) and a yarn cutting blade (31).

IPC 1-7

B65H 54/34; **B65H 54/553**; **B65H 54/71**

IPC 8 full level

B65H 54/26 (2006.01); **B65H 54/34** (2006.01); **B65H 54/553** (2006.01); **B65H 54/71** (2006.01)

CPC (source: EP US)

B65H 54/343 (2013.01 - EP US); **B65H 54/553** (2013.01 - EP US); **B65H 54/71** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [DA] DE 2711024 B1 19771229
- [A] US 5535955 A 19960716 - ENGER JURGEN [DE], et al

Cited by

CN111826753A; EP2952615A1; CN105293186A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1520824 A2 20050406; **EP 1520824 A3 20050720**; **EP 1520824 B1 20070502**; CN 100484855 C 20090506; CN 1603219 A 20050406; DE 10346096 A1 20050504; DE 10346096 B4 20050811; JP 2005112632 A 20050428; US 2005082416 A1 20050421; US 6942174 B2 20050913

DOCDB simple family (application)

EP 04018190 A 20040731; CN 200410080141 A 20040923; DE 10346096 A 20031004; JP 2004290107 A 20041001; US 95528804 A 20040930