

Title (en)
Manufacture of roving.

Title (de)
Herstellung von Vorgarn.

Title (fr)
Production de mèche.

Publication
EP 0375242 A2 19900627 (EN)

Application
EP 89312927 A 19891211

Priority
US 28248888 A 19881212

Abstract (en)
A process and apparatus for the production of roving uses vacuum spinning techniques. Specifically, a fibre mass, or sliver (S), is drafted through a drafting zone (14) and passed into a hollow, rotatable shaft (26), the shaft having a central through passageway (31) and a plurality of radially oriented orifices (38). The shaft (26) is mounted in a housing (24) to which a vacuum is applied as the fibre mass passes through the rotating shaft. Trailing free ends of a minor portion of the fibres are pulled into the orifices (38) and, as the linear movement of the fibres continues, are pulled back out of the orifices and are wrapped about the remaining core fibres to form a roving.

IPC 1-7
D01H 1/115

IPC 8 full level
D01H 1/11 (2006.01); **D01H 1/115** (2006.01)

CPC (source: EP)
D01H 7/92 (2013.01)

Cited by
DE102012108613A1; WO2015170157A1; CN106460245A; DE10251727A1; CN106460252A; CH704780A1; WO2015189674A1; US10378126B2; WO2005026421A1; WO2005026420A1; WO2015170155A1; US10563326B2; US10533267B2; WO2013003962A1; US9238881B2; US7647760B2; EP2511403A1; US8607540B2; WO2006092176A1; WO2015181597A1; US7661259B2; WO2014041412A2; US9677197B2; EP1664404B1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0375242 A2 19900627; EP 0375242 A3 19901122; CA 2005018 A1 19900612; CN 1043353 A 19900627; JP H02259121 A 19901019

DOCDB simple family (application)
EP 89312927 A 19891211; CA 2005018 A 19891208; CN 89109144 A 19891211; JP 32070089 A 19891212