

Title (en)
MANUFACTURE OF ROVING

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EP 0375242 A3 19901122 (EN)

Application
EP 89312927 A 19891211

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US 28248888 A 19881212

Abstract (en)
[origin: EP0375242A2] 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.

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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)

Citation (search report)
• [XD] EP 0184277 A2 19860611 - BURLINGTON INDUSTRIES INC [US]
• [Y] EP 0222981 A1 19870527 - SCHUBERT & SALZER MASCHINEN [DE]
• [A] EP 0121602 A1 19841017 - RIETER AG MASCHF [CH]
• [A] EP 0099726 A2 19840201 - TOYODA AUTOMATIC LOOM WORKS [JP]

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

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