

Title (en)  
Open-end spinning device

Title (de)  
Offenend-Spinnvorrichtung

Title (fr)  
Métier à filer à bout libre

Publication  
**EP 0794273 B1 19980812 (DE)**

Application  
**EP 97102380 A 19970214**

Priority  
DE 19608272 A 19960305

Abstract (en)  
[origin: EP0794273A1] An open-end spinning apparatus has a rotor mounted via its shaft on support discs on which an axial force is exerted, buttressed by an aerostatic axial bearing (6) with an active surface consisting of a carbon material. The surface of the shaft (11) which works in conjunction with the axial bearing is made at least partially from a carbide. Preferably the carbide is boron or silicon carbide and is applied as an extension to the shaft or as a layer, the bearing surface being ground flat.

IPC 1-7  
**D01H 4/12**

IPC 8 full level  
**D01H 4/12** (2006.01)

CPC (source: EP US)  
**D01H 4/12** (2013.01 - EP US)

Cited by  
EP1316629A1; DE10055443A1

Designated contracting state (EPC)  
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**EP 0794273 A1 19970910; EP 0794273 B1 19980812**; CZ 287255 B6 20001011; CZ 57797 A3 19970917; DE 19705607 A1 19970911; DE 59700010 D1 19980917; SK 27897 A3 19971008; TW 366370 B 19990811; US 5730532 A 19980324

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**EP 97102380 A 19970214**; CZ 57797 A 19970226; DE 19705607 A 19970214; DE 59700010 T 19970214; SK 27897 A 19970303; TW 86102585 A 19970304; US 80791297 A 19970228