

Title (en)  
ADJUSTABLE ANGLE SPINDLE

Title (de)  
SPINDEL MIT WINKELVERSTELLUNG

Title (fr)  
ARBRE A ANGLE REGLABLE

Publication  
**EP 1155299 A1 20011121 (EN)**

Application  
**EP 99908235 A 19990218**

Priority  
US 9903487 W 19990218

Abstract (en)  
[origin: WO0049381A1] An apparatus and method for making possible an infinite variation in the adjustment angle of a spindle assembly makes possible a rapid changeover for testing the dynamic properties of elastomeric objects. In spindle assembly (10), wedge rings (18, 20) having wider portions (22, 22a) and narrower portions (24, 24a) interposed between a spindle (12) and an axle assembly (17), whereby the relative placement of the wider portions (22, 22a) and the narrower portions (24, 24a) determine the angle of the spindle (12) relative to axle assembly (17). Indicia (48, 48a) on the wedge rings (18, 20) make possible quick determination of the exact angle. Means (50, 50a, 67) may be provided to make easier rotation of the wedge rings (18, 20).

IPC 1-7  
**G01M 17/02**

IPC 8 full level  
**G01M 17/02** (2006.01)

CPC (source: EP)  
**G01M 17/022** (2013.01)

Citation (search report)  
See references of WO 0049381A1

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**WO 0049381 A1 20000824**; AU 2772099 A 20000904; CA 2359624 A1 20000824; EP 1155299 A1 20011121; JP 2002537553 A 20021105; MX PA01008275 A 20020621

DOCDB simple family (application)  
**US 9903487 W 19990218**; AU 2772099 A 19990218; CA 2359624 A 19990218; EP 99908235 A 19990218; JP 2000600073 A 19990218; MX PA01008275 A 19990218