

Title (en)

Swivel assembly for a pneumatic underground piercing tool.

Title (de)

Drehverbindung für eine unterirdische pneumatische Bohrvorrichtung.

Title (fr)

Joint à pivot pour un outil de forage pneumatique souterrain.

Publication

EP 0462821 A2 19911227 (EN)

Application

EP 91305550 A 19910619

Priority

US 54105490 A 19900620

Abstract (en)

A swivel assembly for supporting a valve sleeve in a cavity of a striker in a pneumatic underground piercing tool. A valve supporting means supports the valve sleeve on a valve body by cooperating spherical seat and bearing members to allow angular movement between the valve sleeve and valve body. A retaining mechanism is provided for resiliently securing the valve supporting means to the valve body. <IMAGE>

IPC 1-7

E21B 4/14; E21B 7/26

IPC 8 full level

E21B 4/14 (2006.01)

CPC (source: EP)

E21B 4/145 (2013.01)

Cited by

CN111852325A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0462821 A2 19911227; EP 0462821 A3 19930127

DOCDB simple family (application)

EP 91305550 A 19910619