

Title (en)

Support device with interchangeable wear members for a rotating workpiece like a rotary drum furnace

Title (de)

Lager mit austauschbaren Reibbelägen für einen rotierenden Werkstück wie einen Drehrohrföfen

Title (fr)

Dispositif support à organes d'usure interchangeables, pour une pièce tournante telle qu'un four tubulaire

Publication

EP 0854340 A1 19980722 (FR)

Application

EP 98400004 A 19980105

Priority

FR 9700047 A 19970106

Abstract (en)

A support for a rotating component (10) with a given axis of rotation (14) includes a fixed body (16) with a concave support face (18) in a plane perpendicular to the axis of rotation. An interchangeable support unit (30) can be received between the concave support face and the component to be supported. In section, this unit has the shape of a sector of a circular ring defined by two radii with an angle of 180 degrees between them. The support unit is fixed to the body using fixtures (50) that can be unlocked. Linking devices (56) couple the support unit to a replacement support unit (30'), which can thus be moved into place without dismounting the rotating component. This is done by rotating both support units about the axis of rotation after unlocking the fixtures.

Abstract (fr)

Pour faciliter le remplacement des pièces d'usure telles que des galets (36,42) sur lesquels est reçue une pièce tournante (10), un dispositif support (12) est conçu de telle sorte que les pièce d'usure appartiennent à un organe support interchangeable (30) interposé entre un corps fixe (16) et la pièce tournante (10). Le remplacement est effectué en accouplant à l'organe support interchangeable (30) un organe support de remplacement (30'), par des structures de liaison (56), et en faisant tourner l'ensemble des deux organes (30,30') de 180° autour de l'axe (14) de la pièce tournante. Les deux organes sont ensuite désaccouplés et l'organe support de remplacement lié au corps fixe (16) par des structures de verrouillage (50). <IMAGE>

IPC 1-7

F27B 7/22; **F16C 13/04**

IPC 8 full level

G21C 21/02 (2006.01); **F27B 7/22** (2006.01)

CPC (source: EP KR US)

F27B 7/22 (2013.01 - EP KR US); **F27B 2007/2273** (2013.01 - KR)

Citation (search report)

- [A] DE 3306745 A1 19840830 - KRUPP POLYSIUS AG [DE]
- [A] US 3015528 A 19620102 - ALWYNE CLARK PATRICK, et al
- [A] FR 2169466 A5 19730907 - CREUSOT LOIRE [FR]
- [A] US 3431034 A 19690304 - SAUNDERS GUY L
- [A] DE 2254079 A1 19740516 - POHLIG HECKEL BLEICHERT

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DOCDB simple family (application)

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