Title (en)

SEALING ARRANGEMENT FOR RADIALLY LOADED ROUND GUIDES

Title (de)

DICHTUNGSANORDNUNG FÜR RADIAL BELASTETE RUNDFÜHRUNGEN

Title (fr)

ENSEMBLE D'ÉTANCHÉITÉ DESTINÉ À DES GUIDES CIRCULAIRES CHARGÉS RADIALEMENT

Publication

EP 3080491 A1 20161019 (DE)

Application

EP 14824395 A 20141212

Priority

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- EP 2014077553 W 20141212

Abstract (en)

[origin: WO2015086816A1] The invention relates to a sealing arrangement for radially loaded round guides in which a guide or piston rod (10) is mounted in an axially movable manner in at least one guide bushing (13) and the guide or piston rod (10) is assigned a scraper (18), which is provided axially adjacent to an end of the guide bushing (13), as a sealing means, in particular provided in forming machines such as ring blank presses or radial-axial rolling machines for moving a machine element. The problem addressed by the invention is providing a sealing arrangement that allows for improved sealing as wear on the guide bushings increases, even if very hard, rigid scrapers are used. This problem is solved in that the scraper (18) consists of a non-elastic material and is arranged with radial play inside a groove (15) formed circumferentially on or in a component (7) that receives the guide or piston rod (10).

IPC 8 full level

F16J 15/32 (2006.01)

CPC (source: EP KR)

F16J 15/3224 (2013.01 - EP KR); **F16J 15/3284** (2013.01 - KR)

Citation (search report)

See references of WO 2015086816A1

Citation (examination)

- DE 102008011126 A1 20090924 - STASSKOL KOLBENSTANGENDICHTUNG [DE]
- US 2011197756 A1 20110818 - HOLD CHRISTIAN [AT], et al

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