

Title (en)

LINEAR ROLLER BEARING WITH A U-SHAPED SCRAPER ARRANGED ON THE FRONT FACE OF THE GUIDE CARRIAGE

Title (de)

LINEARWÄRLZLAGER MIT EINEM STIRNSEITIG AM FÜHRUNGSWAGEN ANGEORDNETEN U-FÖRMIGEN ABSTREIFER

Title (fr)

PALIER A ROULEMENT LINEAIRE AVEC MOYEN D'ESSUYAGE EN FORME DE U PLACÉ DE FRONT

Publication

EP 1843873 A2 20071017 (DE)

Application

EP 05817996 A 20051217

Priority

- EP 2005013633 W 20051217
- DE 102005003711 A 20050127

Abstract (en)

[origin: WO2006079395A2] The invention relates to a linear roller bearing, comprising a roller-bearing guide carriage (2), running on a guide track (1) with at least one approximately U-shaped scraper (3), arranged on the front of the guide carriage (2), for scraping foreign materials, such as cuttings, dust and cooling fluids from the guide tracks. The scraper (3) has the scraping surface (16) thereof, preferably a sealing lip (16a) or sealing edge, in scraping contact with the guide track (1), whereby the scraper (3), provided with the scraping surface (16) has a preferably planar seal (16a) in which the areas of increased rigidity due to the form of the seal, for example, the corners thereof, are provided with selective material weakening, which increases a flexibility of the scraping surface in these positions.

IPC 8 full level

B23Q 11/08 (2006.01); **F16C 29/06** (2006.01); **F16C 29/08** (2006.01); **F16J 15/3204** (2016.01)

CPC (source: EP US)

F16C 29/0645 (2013.01 - EP US); **F16C 29/086** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE ES FR IT LI

DOCDB simple family (publication)

WO 2006079395 A2 20060803; **WO 2006079395 A3 20061109**; CN 101111348 A 20080123; DE 102005003711 A1 20060817; EP 1843873 A2 20071017; JP 2008528894 A 20080731; US 2008144980 A1 20080619

DOCDB simple family (application)

EP 2005013633 W 20051217; CN 200580047341 A 20051217; DE 102005003711 A 20050127; EP 05817996 A 20051217; JP 2007552520 A 20051217; US 81485205 A 20051217