

Title (en)

MACHINE ELEMENT WITH ROLLER BEARINGS ARRANGED BETWEEN MOVABLE COMPONENTS

Title (de)

MASCHINENELEMENT MIT ZWISCHEN BEWEGLICHEN BAUTEILEN ANGEORDNETEN WÄLZKÖRPERN

Title (fr)

ELEMENT DE MACHINE COMPRENANT DES CORPS DE ROULEMENT PLACES ENTRE DES COMPOSANTS MOBILES

Publication

EP 1525404 A1 20050427 (DE)

Application

EP 03766206 A 20030717

Priority

- DE 10233938 A 20020725
- EP 0307780 W 20030717

Abstract (en)

[origin: WO2004013503A1] The invention relates to a machine element (10) comprising two components (12, 14) that move relative to one another and roller bearings (16, 18) of different nominal diameters arranged between said components (12, 14). The difference in diameter between said roller bearings (16, 18) having different nominal diameters is selected in such a way that a roller bearing (18) that has a smaller nominal diameter assumes a bearing function only when the machine element (10) is in a loaded state.

IPC 1-7

F16C 19/20; **F16C 19/40**; **F16C 27/04**; **F16H 25/22**

IPC 8 full level

F16C 19/20 (2006.01); **F16C 19/40** (2006.01); **F16C 33/37** (2006.01); **F16C 39/02** (2006.01); **F16D 65/14** (2006.01); **F16D 65/18** (2006.01); **F16H 25/22** (2006.01)

CPC (source: EP)

F16C 19/20 (2013.01); **F16C 19/40** (2013.01); **F16C 33/3713** (2013.01); **F16C 39/02** (2013.01); **F16D 65/18** (2013.01); **F16H 25/22** (2013.01); **F16C 2240/70** (2013.01); **F16D 2121/24** (2013.01); **F16D 2125/40** (2013.01); **F16D 2125/50** (2013.01)

Citation (search report)

See references of WO 2004013503A1

Cited by

CN101821141A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004013503 A1 20040212; AU 2003250091 A1 20040223; DE 10233938 A1 20040212; DE 10233938 B4 20070913; EP 1525404 A1 20050427

DOCDB simple family (application)

EP 0307780 W 20030717; AU 2003250091 A 20030717; DE 10233938 A 20020725; EP 03766206 A 20030717