

Title (en)

SEALING RING AND DEVICE AND METHOD FOR INSTALLING A SEALING RING

Title (de)

DICHTRING SOWIE VORRICHTUNG UND VERFAHREN ZUR MONTAGE EINES DICHTRINGS

Title (fr)

BAGUE D'ÉTANCHÉITÉ, AINSI QUE DISPOSITIF ET PROCÉDÉ DE MONTAGE D'UNE BAGUE D'ÉTANCHÉITÉ

Publication

EP 2297490 A1 20110323 (DE)

Application

EP 09768878 A 20090525

Priority

- EP 2009003678 W 20090525
- DE 102008030174 A 20080627

Abstract (en)

[origin: WO2009156029A1] The invention relates to an installation device (3) for installing a sealing ring (1) on or in a component (2), for example a shaft or a housing, comprising a coupling member (4) for transmitting an installation force (F) to the sealing ring (1). The invention further relates to a sealing ring (1) comprising a rubber elastic base body (11) and a reinforcing ring (12), wherein the reinforcing ring (12) is embedded at least sectionally into the rubber elastic base body (11). The invention further relates to a method for installing a sealing ring (1) on or in a component (2), wherein the sealing ring (1) is inserted onto or into the component (2) in the axial direction. In order to improve the installation of sealing rings (1) of the type mentioned above such that a centric and right-angle position of the sealing ring (1) is ensured after removal of the installation force, a rotational drive (8), by which a relative movement between the sealing ring (1) and component (2) can be produced, is provided for the installation device (3). The sealing ring (1) is rotated relative to the component during installation and for this purpose has at least one stop surface (23, 32, 32') facing substantially in the circumferential direction (U).

IPC 8 full level

F16J 15/32 (2006.01)

CPC (source: EP US)

B23P 19/084 (2013.01 - EP US); **B25B 27/0028** (2013.01 - EP US); **Y10T 29/53687** (2015.01 - EP US)

Citation (search report)

See references of WO 2009156029A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008030174 A1 20091231; EP 2297490 A1 20110323; US 2011121513 A1 20110526; WO 2009156029 A1 20091230

DOCDB simple family (application)

DE 102008030174 A 20080627; EP 09768878 A 20090525; EP 2009003678 W 20090525; US 73724609 A 20090525