

Title (en)

NEEDLE BEARING UNIT FOR MOUNTING A VALVE SHAFT OR ACTUATOR SHAFT AND GAS CONTROL VALVE ARRANGEMENT

Title (de)

NADELLAGEREINHEIT ZUR LAGERUNG EINER KLAPPEN- ODER AKTUATORENWELLE UND GASREGELKLAPPENANORDNUNG

Title (fr)

UNITÉ DE ROULEMENT À AIGUILLES POUR LOGER UN ARBRE DE CLAPET OU D'ACTIONNEUR ET DISPOSITIF DE CLAPET DE RÉGULATION DES GAZ

Publication

**EP 3289233 A1 20180307 (DE)**

Application

**EP 16717554 A 20160302**

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Abstract (en)

[origin: WO2016173590A1] The invention relates to a needle bearing unit (1) for mounting a valve shaft or actuator shaft (8), comprising: an outer ring (2); a needle cage (4) arranged in the outer ring (2); and needle-shaped rolling bodies (5) guided in the needle cage (4); characterized in that the outer ring (2) has the form of a sleeve and has a sleeve bottom (3a) at its first end (2a). The invention is further characterized by an inner ring (20) arranged in the needle cage (4) and comprising, at its end remote from the sleeve bottom (3a), an inner ring flange (20b) pointing towards the outer ring (2), and in that the outer ring (2), at its second end (2b), has a sleeve flange (3b) which encloses the inner ring flange (20b) in order to hold the inner ring (20) in place in the outer ring (2). The invention further relates to a gas control valve arrangement (10) comprising a rotatable valve shaft (8) and a gas control valve (9) arranged on the valve shaft (8), said gas control valve comprising at least one needle bearing unit (1) according to the invention.

IPC 8 full level

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Citation (search report)

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