Title (en)

RING SEAL FOR A CLOSING ELEMENT OF A VALVE AND SEAL ARRANGEMENT FOR SUCH A RING SEAL

Title (de)

RINGDICHTUNG FÜR EIN SCHLIESSGLIED EINES VENTILS SOWIE DICHTUNGSANORDNUNG MIT EINER SOLCHEN RINGDICHTUNG

Title (fr)

JOINT ANNULAIRE D'ÉLÉMENT DE FERMETURE D'UNE SOUPAPE ET ENSEMBLE D'ÉTANCHÉITÉ COMPRENANT UN TEL JOINT ANNULAIRE

Publication

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Application

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Abstract (en)

[origin: WO2011029849A1] The invention relates to a ring seal (32) for a closure element (22) of a valve (20), in particular a valve (20) of a technical process system, comprising a ring body (34) defining a longitudinal axis (36) perpendicular to the plane of the ring body (34), and comprising a sealing surface (42) at a radially outer surface (40) with respect to the longitudinal axis (36). The ring body (34) is constructed in multiple layers, wherein a radially outer first layer (38), the sealing surface (42) being present at the radially outer surface thereof, is made of a sealing material, and wherein a second layer (46) connects to the side of the first layer (38) facing away from sealing surface (42), comprising a different spring characteristic in the radial direction and/or a different material than the first layer (38). The invention further relates to a sealing arrangement (30) having such a ring seal (32) and a valve (20) having such a sealing arrangement (30).

IPC 8 full level

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CPC (source: EP)

F16J 15/022 (2013.01); **F16K 1/44** (2013.01); **F16K 1/46** (2013.01)

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See references of WO 2011029849A1

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