

Title (en)  
WORKING CYLINDER AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
ARBEITSZYLINDER UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)  
CYLINDRE DE TRAVAIL ET PROCÉDÉ POUR LE FABRIQUER

Publication  
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Application  
**EP 20824436 A 20201106**

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Abstract (en)  
[origin: WO2021089069A1] The invention relates to a working cylinder (1) having a cylinder tube (2), a first closure part (3), a second closure part (4) and a piston unit (5), wherein the cylinder tube (2) has a first cylinder tube end (6) and a second cylinder tube end (7), the first closure part (3) being arranged on the first cylinder tube end (6), the second closure part (4) being arranged on the second cylinder tube end (7), the cylinder tube (2) and the closure parts (3, 4) forming a cylinder interior (8), the piston unit (5) forming at least one working chamber in the cylinder interior (8), the piston unit (5) pushing slidingly through the first closure part (3), characterized in that the first closure part (3) is integrally joined to the cylinder tube (2) by means of a first peripheral laser ring weld seam (9) and the second closure part (4) is integrally joined to the cylinder tube (2) by means of a second peripheral laser ring weld seam (10) and the laser ring weld seams (9, 10) each form a fluid-tight sealing plane (10). The invention furthermore relates to a method for producing such a working cylinder.

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