

Title (en)  
WEAPON BARREL FOR A SUBMARINE

Title (de)  
WAFFENROHR FÜR EIN UNTERSEEBOOT

Title (fr)  
TUBE D'ARME POUR SOUS-MARIN

Publication  
**EP 3788317 A1 20210310 (DE)**

Application  
**EP 19719871 A 20190425**

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Abstract (en)  
[origin: WO2019211160A1] The present invention relates to a weapon barrel (10) for a submarine, comprising an ejection device, wherein the ejection device is provided with at least one first work cylinder (20) and at least one pressure accumulator (30). The at least one first work cylinder (20) is arranged inside the weapon barrel (10), wherein the at least one first work cylinder (20) has at least one first side of the work cylinder (22), and wherein the first side of the work cylinder (22) is filled with gas. The at least one first work cylinder (20) has at least one second side of the work cylinder (24), wherein the second side of the work cylinder (24) is filled with a liquid. The at least one pressure accumulator (30) has at least one first side of the pressure accumulator (32), wherein the first side of the pressure accumulator (32) is filled with gas. The at least one first pressure accumulator (30) has at least one second side of the pressure accumulator (34), wherein the second side of the pressure accumulator (34) is filled with a liquid. The at least one second side of the pressure accumulator (34) and the at least one second side of the work cylinder (24) are connected to one another via a first connection (40), wherein the first connection (40) is provided with a first valve (42). The at least one first work cylinder (20) is provided with a work piston (50), wherein the work piston (50) separates the at least one first side of the work cylinder (22) and the at least one second side of the work cylinder (24). The work piston (50) is connected to a coupling device (60), wherein the coupling device (60) is designed for the ejection of a weapon (80) from the weapon barrel (10).

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