

Title (en)  
TANK FOR STORING ENERGY IN THE FORM OF PRESSURIZED GAS, MADE OF ULTRA HIGH PERFORMANCE FIBRE-REINFORCED CONCRETE

Title (de)  
TANK ZUR SPEICHERUNG VON ENERGIE IN FORM VON DRUCKGAS AUS HOCHLEISTUNGSFASERVERSTÄRKTEM BETON

Title (fr)  
RESERVOIR DE STOCKAGE D'ENERGIE SOUS FORME DE GAZ SOUS PRESSION, EN BETON FIBRE A ULTRA HAUTE PERFORMANCE

Publication  
**EP 4048934 A1 20220831 (FR)**

Application  
**EP 20789600 A 20201012**

Priority  
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• EP 2020078645 W 20201012

Abstract (en)  
[origin: WO2021078568A1] The present invention relates to a tank for storing pressurized gas, such as compressed air. The tank comprises at least one tubular element (1) having a wall comprising a layer of prestressed concrete (6), at least one circumferential mechanical reinforcing layer (8), at least one axial mechanical reinforcing layer (7) and a sealing layer (5). The concrete of which the layer of prestressed concrete is made is chosen from ultra high performance fibre-reinforced concretes.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
See references of WO 2021078568A1

Designated contracting state (EPC)  
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**FR 3102531 A1 20210430**; **FR 3102531 B1 20211112**; CN 114364911 A 20220415; EP 4048934 A1 20220831; US 2022325852 A1 20221013; WO 2021078568 A1 20210429

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