

Title (en)  
HYDRAULIC PISTON WITH A DEPRESSURISED RECESS

Title (de)  
HYDRAULISCHER KOLBEN MIT EINER UNTERDRUCK-VERTIEFUNG

Title (fr)  
PISTON HYDRAULIQUE À GORGE DÉPRESSURISÉE

Publication  
**EP 4127452 A1 20230208 (FR)**

Application  
**EP 21718637 A 20210318**

Priority  
• FR 2003152 A 20200330  
• FR 2021000028 W 20210318

Abstract (en)  
[origin: CA3171713A1] The hydraulic piston with a depressurised recess (1) may translate in a cylinder (2) and comprises a fixed skirt (3), an axial compression face (4) which forms a fluid chamber (5) with the cylinder (2), and an axial working face (6) which cooperates with the transmission means (7), the piston (1) also comprises sealing means (8), a depressurised radial recess (9) opening at the surface of the fixed skirt (3), an axial decompression duct (11) arranged inside the skirt (3) and which opens near the axial working face (6), and a radial decompression duct (12) which puts the depressurised radial recess (9) in communication with the axial decompression duct (11).

IPC 8 full level  
**F03C 1/28** (2006.01); **F03C 1/06** (2006.01); **F04B 1/124** (2006.01); **F04B 1/20** (2006.01); **F04B 1/2014** (2006.01); **F04B 53/14** (2006.01); **F04B 53/18** (2006.01)

CPC (source: EP KR)  
**F03C 1/0605** (2013.01 - EP KR); **F03C 1/0636** (2013.01 - EP); **F03C 1/0644** (2013.01 - EP KR); **F04B 1/124** (2013.01 - EP KR); **F04B 1/20** (2013.01 - EP); **F04B 1/2014** (2013.01 - EP KR); **F04B 53/143** (2013.01 - EP KR); **F04B 53/18** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2021198572A1

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