

Title (en)  
IMPROVED VOLUMETRIC SCREW COMPRESSOR

Title (de)  
VERBESSERTER VOLUMETRISCHER SCHRAUBENVERDICHTER

Title (fr)  
COMPRESSEUR VOLUMÉTRIQUE AMÉLIORÉ À VIS

Publication  
**EP 3294992 A1 20180321 (EN)**

Application  
**EP 16728380 A 20160504**

Priority  
• IT VI20150119 A 20150514  
• IB 2016052543 W 20160504

Abstract (en)  
[origin: WO2016181259A1] Compression device suited to compress a gas by means of a compression fluid, comprising: a compression chamber (2) for the generation of a compressed mixture of the gas and the compression fluid; a first driving compression rotor (6mc) and a second compression rotor (6fc) meshing with each other and rotatingly housed inside the compression chamber (2), wherein the first driving rotor (6mc) comprises an end (66) that serves for moving it and projects from a wall (50b) of the compression chamber (2); a power source (6) comprising a transmission shaft (6a) suited to be set rotating by the power source (6); a transmission unit (6e, 6m) interposed between the power source (6) and the first driving rotor (6mc) in such a way as to transmit the rotation of the transmission shaft (6a) to the first driving rotor (6mc); containment means (50) that define a housing chamber (501) suited to house the transmission unit (6e, 6m); the wall of the compression chamber (2) is at least partially defined by a wall (50b) of the containment means (50) of the transmission unit (6e, 6m).

IPC 8 full level  
**F01C 21/10** (2006.01); **F04C 18/16** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
See references of WO 2016181259A1

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