

Title (en)  
COMPRESSOR WITH A SEALING DUCT

Title (de)  
VERDICHTER MIT EINEM DICHTKANAL

Title (fr)  
COMPRESSEUR DOTÉ D'UN CANAL D'ÉTANCHÉITÉ

Publication  
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Application  
**EP 15770886 A 20150928**

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Abstract (en)  
[origin: WO2016082979A1] The invention relates to a compressor (1) with a housing (2) and with a rotor (3), said rotor (3) comprising a compressor wheel (5, 13) on at least one side, a compressor chamber (6, 14) being formed between the compressor wheel (5, 13) and the housing, and the rotor being rotatably mounted. An annular sealing duct (11) is formed between the rotor and the housing, said sealing duct leading from the compressor chamber to a lower pressure section. At least two throttle sections are provided in the sealing duct, in each of the two throttle sections a first section with a reduced cross-section (53, 55) of the sealing duct (11) and then a second section with an enlarged cross-section (52, 54, 56) of the sealing duct (11) being provided in the direction of flow (23) from the compressor chamber (6, 14) to the lower pressure section.

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US 2944785 A 19600712 - CHARLES SAMPIETRO ACHILLES

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