

Title (en)  
Oil free screw compressor

Title (de)  
Ölfreier Schraubenverdichter

Title (fr)  
Compresseur à vis sec

Publication  
**EP 2264319 B1 20170111 (EN)**

Application  
**EP 10164131 A 20100527**

Priority  
JP 2009129389 A 20090528

Abstract (en)  
[origin: EP2264319A2] An oil free screw compressor comprises: a pair of male and female screw rotors (1,2) in which two or more twisted teeth are formed; a casing (3) which receives both the rotors (1,2) and in which a suction port and a discharge port are formed; and bearings (11-14) which rotatably support shaft end parts of both the rotors (1,2) and are held in the casing (3). There is provided a slot (6), next to the discharge port of the casing (3), which comes into communication with the discharge port with timing where a volume of a compression chamber formed by both the rotors (1,2) and the casing (3) becomes substantially zero as both the rotors (1,2) rotate, to prevent problems such as excessive compression.

IPC 8 full level  
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CPC (source: EP)  
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Citation (examination)  
US 2008080997 A1 20080403 - CHIBA KOHTARO [JP], et al

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