

Title (en)  
OIL-LESS COMPRESSOR WITH SEAL-DUST PROTECTION

Title (de)  
ÖLFREIER VERDICHTER MIT DICHTUNGSSTAUBSCHUTZ

Title (fr)  
COMPRESSEUR AUTOLUBRIFIANT AVEC PROTECTION CONTRE LA POUSSIÈRE

Publication  
**EP 1869322 A1 20071226 (EN)**

Application  
**EP 05714646 A 20050318**

Priority  
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• CA 2005000395 W 20050317

Abstract (en)  
[origin: WO2006096957A1] An oil-less compressor, having polymeric seals and a crank mechanism which is vulnerable to dust arising from such seals, is provided with a dust-exclusion barrier that protects the crank mechanism from being exposed to such dust. The first stage of the compressor preferably draws its intake from the crankcase, providing a pressure differential and gas flow that sweeps seal dust away from the crank mechanism.

IPC 8 full level  
**F04B 39/04** (2006.01); **F04B 25/00** (2006.01); **F04B 39/00** (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP US)  
**F04B 25/00** (2013.01 - EP US); **F04B 25/005** (2013.01 - EP US); **F04B 39/0005** (2013.01 - EP US); **F04B 39/0022** (2013.01 - EP US); **F04B 39/04** (2013.01 - EP US); **F04B 39/12** (2013.01 - EP US); **F04B 53/146** (2013.01 - EP US)

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