

Title (en)  
Method for starting a piston compressor.

Title (de)  
Startverfahren für einen Kolbenverdichter

Title (fr)  
Procédé de démarrage pour un compresseur à piston.

Publication  
**EP 1662143 A3 20081119 (DE)**

Application  
**EP 05025299 A 20051119**

Priority  
DE 102004057467 A 20041129

Abstract (en)  
[origin: EP1662143A2] The starting process for piston compressor (1) containing a piston (2) involves a returning failures creating a returning torque (AR) towards a compression point of the piston setting (S). The returning torque is held long enough for the compressor to be moved to the starting position by a fluid expelled from the compression cavity (9) through at least one leakage point (16) to overcome an inertia .to reach the starting position.

IPC 8 full level  
**F04B 49/02** (2006.01); **F04B 49/20** (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP US)  
**F04B 49/02** (2013.01 - EP US); **F04B 2201/0201** (2013.01 - EP US); **F04B 2201/1208** (2013.01 - EP US); **F04B 2203/0207** (2013.01 - EP US); **F04B 2203/0209** (2013.01 - EP US)

Citation (search report)

- [A] DE 10023523 C1 20011213 - VACUUBRAND GMBH & CO KG [DE]
- [A] EP 1278298 A2 20030122 - NETZSCH MOHNOPUMPEN GMBH [DE]
- [A] DE 2502158 A1 19760722 - STIEBEL ELTRON GMBH & CO KG
- [A] DE 8702221 U1 19870409
- [A] DE 843135 C 19520707 - MANNESMANN FA A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1662143 A2 20060531**; **EP 1662143 A3 20081119**; **EP 1662143 B1 20090624**; AT E434727 T1 20090715; CN 1782387 A 20060607; CN 1782387 B 20100512; DE 102004057467 B3 20060824; DE 502005007559 D1 20090806; ES 2327133 T3 20091026; PL 1662143 T3 20100129; US 2006120898 A1 20060608

DOCDB simple family (application)  
**EP 05025299 A 20051119**; AT 05025299 T 20051119; CN 200510116364 A 20051021; DE 102004057467 A 20041129; DE 502005007559 T 20051119; ES 05025299 T 20051119; PL 05025299 T 20051119; US 28914405 A 20051129