

Title (en)

OIL-FREE AIR COMPRESSOR SYSTEM WITH INLET THROTTLE

Title (de)

ÖLFREIES LUFTKOMPRESSORSYSTEM MIT EINLASSDROSSEL

Title (fr)

SYSTÈME DE COMPRESSEUR D'AIR SANS HUILE À RÉGULATEUR D'ADMISSION

Publication

EP 2059679 A2 20090520 (EN)

Application

EP 07841639 A 20070830

Priority

- US 2007077274 W 20070830
- US 82451606 P 20060905

Abstract (en)

[origin: WO2008030760A2] The present air compressor system includes at least one piston stage connected to the air inlet of the compressor by an inlet valve and connected to the compressed air outlet of the compressor by an outlet valve; a motor driving the piston stage; and an adjustable throttle connected between the air inlet and the inlet valve. A controller controls the motor and the throttle to substantially close the throttle to unload the piston stage when necessary.

IPC 8 full level

F04B 49/03 (2006.01); **F04B 23/10** (2006.01); **F04B 25/00** (2006.01); **F04B 49/06** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)

F04B 25/00 (2013.01 - EP US); **F04B 49/03** (2013.01 - EP US); **F04B 49/06** (2013.01 - EP US); **F04B 53/1037** (2013.01 - EP US)

Citation (third parties)

Third party :

"Oil-Free compressor design is easy to extend", ENGINEERING, 16 May 2000 (2000-05-16), pages 1, XP003025500

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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