

Title (en)
Piston gas compressor

Title (de)
Kolbengaskompressor

Title (fr)
Compresseur de gaz à pistons

Publication
EP 2012013 B1 20110330 (EN)

Application
EP 07075553 A 20070703

Priority
EP 07075553 A 20070703

Abstract (en)
[origin: EP2012013A1] A piston gas compressor comprising: - a cylinder having a cylinder wall, a longitudinal axis and a cylinder cover at an end of the cylinder, - a piston, which is reciprocable inside the cylinder, the piston comprising a piston body and at least one rider ring that extends around at least a part of the circumference of the piston body and bears against the cylinder wall, the piston delimiting a compression chamber in the cylinder, wherein the cylinder wall is provided with at least one inlet port to the compression chamber and with at least one outlet port from the compression chamber, - a reciprocable piston rod, which is at a first end thereof connected to the piston and at a second end thereof to drive means of the compressor, preferably to a cross head which is guided in a frame of the compressor, - a condition monitoring system comprising: - a rider ring wear sensor and associated control unit for determination of rider ring wear by measuring a distance of the piston relative to the sensor.

IPC 8 full level
F04B 51/00 (2006.01)

CPC (source: EP)
F04B 51/00 (2013.01); **F04B 53/143** (2013.01); **F04B 2201/0205** (2013.01)

Cited by
US2016090980A1; CN108317076A; ITFI20130296A1; EP3001034A1; US10288058B2; DE102021128665B3; WO2015086458A1

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

DOCDB simple family (publication)
EP 2012013 A1 20090107; EP 2012013 B1 20110330; AT E503930 T1 20110415; DE 602007013544 D1 20110512

DOCDB simple family (application)
EP 07075553 A 20070703; AT 07075553 T 20070703; DE 602007013544 T 20070703