

Title (en)
OIL-SEALED VACUUM PUMP

Publication
EP 0084084 B1 19850206 (DE)

Application
EP 82109588 A 19821016

Priority
DE 3150000 A 19811217

Abstract (en)
[origin: US4525129A] An oil-sealed vacuum pump comprises an oil circuit for supplying a pump chamber and bearings of the vacuum pump with oil. The oil circuit includes first and second branch conduits leading to the bearings and the pump chamber, respectively. The vacuum pump further has an oil pump coupled to the oil circuit for driving oil therethrough, a valve assembly coupled to the oil circuit for shutting off oil supply to the pump chamber during standstill of the vacuum pump, and a pressure reducer coupled to the oil circuit for reducing the oil pressure to environmental pressure. The first branch conduit leading to the bearings is situated upstream of, and the second branch conduit leading to the pump chamber and the valve assembly are situated downstream of the pressure reducer as viewed in the direction of oil flow in the oil circuit.

IPC 1-7
F04C 27/02

IPC 8 full level
F04C 27/02 (2006.01)

CPC (source: EP US)
F04C 27/02 (2013.01 - EP US)

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0084084 A1 19830727; EP 0084084 B1 19850206; DE 3150000 A1 19830714; DE 3262232 D1 19850321; US 4525129 A 19850625

DOCDB simple family (application)
EP 82109588 A 19821016; DE 3150000 A 19811217; DE 3262232 T 19821016; US 45042482 A 19821216