

Title (en)
COMPRESSOR UNIT WITH AN OIL SLINGER DEVICE

Publication
EP 0107728 B1 19870819 (EN)

Application
EP 83901997 A 19830503

Priority
US 37405082 A 19820503

Abstract (en)
[origin: WO8303877A1] An oil slinging device is provided in a compressor utilizing a centrifugal oil pump (50) to pump oil from a sump (58) in the bottom of the compressor upwardly through an axially disposed oil passage (60) in the crankshaft (18). The device is an elongated, rigid tube (68) connected to the upper end of the crankshaft and in communication with the oil passage, and is angularly disposed outwardly in relation to the rotational axis of the crankshaft to dispose its remote upper end (70) upwardly and radially outwardly from the periphery of the rotating crankshaft. Oil pumped through the device by the oil pump is slung radially outwardly against the interior surfaces (73) of the compressor housing (12) in order to allow the oil to flow downwardly along the compressor housing inner surfaces, thereby cooling the oil by conducting heat energy therefrom to the compressor housing (12).

IPC 1-7
F04B 35/04; **F04B 39/06**

IPC 8 full level
F04B 17/00 (2006.01); **F04B 39/02** (2006.01)

IPC 8 main group level
F04B (2006.01)

CPC (source: EP)
F04B 39/0269 (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)
WO 8303877 A1 19831110; AU 1605683 A 19831121; AU 542162 B2 19850207; DE 3373122 D1 19870924; EP 0107728 A1 19840509; EP 0107728 A4 19840906; EP 0107728 B1 19870819; EP 0107728 B2 19910626; IN 161029 B 19870919; SU 1450757 A3 19890107

DOCDB simple family (application)
US 8300659 W 19830503; AU 1605683 A 19830503; DE 3373122 T 19830503; EP 83901997 A 19830503; IN 800CA1983 A 19830628; SU 3693205 A 19840102