

Title (en)
COMPRESSOR UNIT WITH AN OIL SLINGER DEVICE

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EP 0107728 B2 19910626 (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).

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