

Title (en)  
CRANKSHAFT SEAL UNIT FOR AN INTERNAL COMBUSTION ENGINE

Title (de)  
KURBELWELLEN-DICHTUNGSEINHEIT FÜR EINE BRENNKRAFTMASCHINE

Title (fr)  
UNITÉ D'ÉTANCHÉITÉ DE VILEBREQUIN POUR UN MOTEUR À COMBUSTION INTERNE

Publication  
**EP 4226033 A1 20230816 (EN)**

Application  
**EP 21786768 A 20210930**

Priority  
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• EP 2021025374 W 20210930

Abstract (en)  
[origin: GB2599648A] A crankshaft seal unit 26 for an internal combustion engine 10 comprises a seal 28, eg a labyrinth seal which, when mounted to the engine 10, provides sealing between the crankshaft 12 and the crankcase 16, and a fan element 34 which is mounted to the crankshaft 12, eg between the crankshaft flange 14 and the drive shaft 36 of the crankshaft, in the crankcase 16. The fan element 34 may be a ring-shaped disc of sheet metal with blades 38 which, when rotating, subjects the inner side of the seal to a pressure drop causing a fluid flow from the inner side of the seal 28 through the fan element 34. A flow control element 48 may be fixed to, or integral with, the fan element 34 to form a flow channel 50.

IPC 8 full level  
**F02F 7/00** (2006.01)

CPC (source: EP GB)  
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Citation (search report)  
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