

Title (en)
Oil pump

Title (de)
Ölpumpe

Title (fr)
Pompe à huile

Publication
EP 1619388 B1 20070829 (EN)

Application
EP 05015021 A 20050711

Priority
JP 2004213324 A 20040721

Abstract (en)
[origin: EP1619388A1] An oil pump comprising a housing (10) that forms a pump chamber (10p), an inner rotor (21, 221) and rotatably driven by engaging with a driving shaft (32, 232), the inner rotor forming with an outer periphery of the driving shaft a communicating groove (21d, 221d), an outer rotor (22) and rotating by means of engagement between outer gears (21a) of the inner rotor and inner gears (22a) of the outer rotor, and an oil seal (33) arranged between the housing and the driving shaft characterized in that the oil pump further comprises a separating portion (11b) formed on the housing for separating between the pump chamber and the oil seal. The separating portion includes a cylindrical portion (11e) including an inner wall (11d) extending towards the inner rotor, and a guide portion (11c) inclining towards the communicating groove and connected to the inner wall.

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