Title (en)
Oil feeding system

Title (de)
Ölzufuhrsystem

Title (fr)
Système d'alimentation en huile

Publication
EP 1990508 B1 20150708 (EN)

Application
EP 07107616 A 20070507

Priority
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Abstract (en)
[origin: EP1990508A1] Oil feeding system (10) for an oil pump (20) in a vehicle (30), which comprises two feed pipes (12,14) that each have an oil inlet (12a, 14a) and that are arranged to draw oil (16) from an oil pan (18) and feed it to an oil pump (20) when the oil feeding system (10) is mounted in a vehicle (30) and in use. One feed pipe (12) is arranged to draw oil from one part (S) of the oil pan (18) and the other feed pipe (14) is arranged to draw oil from another part (N) of the oil pan (18). The oil feeding system comprises a flow control means (22) that is arranged downstream of said oil inlets (12a, 14a). The flow control means (22) is arranged to remain in a first position that allows oil to flow through both or either of said two feed pipes (12,14) when said vehicle (30) is not accelerating/decelerating/turning/tilting. The flow control means (22) is also arranged to be displaced, as a direct or indirect consequence of acceleration/deceleration/turning/tilting of said vehicle (30), to a second position in which it allows oil to flow only through the feed pipe (12) whose oil inlet (12a) is located in the part of the oil pan (18) to which oil will be displaced during acceleration/deceleration/turning/tilting of said vehicle (30) and in which position it simultaneously blocks the flow of oil through the other feed pipe (14).

IPC 8 full level
F01M 11/06 (2006.01); F01M 11/00 (2006.01)

CPC (source: EP)
F01M 11/064 (2013.01); F01M 2011/0075 (2013.01)

Cited by
CN113623096A; CN112627931A; FR3061371A1; CN112983593A; CN111561369A; DE102010015326A1; CN111237028A; CN104863660A; JP2020133633A

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