

Title (en)
SOUND-INSULATED OIL SUMP FOR AN INTERNAL-COMBUSTION ENGINE

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EP 0167967 A3 19870114 (DE)

Application
EP 85108171 A 19850702

Priority
DE 3425074 A 19840707

Abstract (en)
[origin: EP0167967A2] The metal sump of a truck or bus engine is at least partially covered by an outer shell (1) which is attached to it in a manner which insulates against structure-borne noise, is at only a small distance from the metal sump and has openings (8) at the underside (5) which engage around supporting feet (8) integrally formed on the underside of the metal sump and having annular supports (11), with the result that an engine which is equipped with the oil sump according to the invention or is converted by means of the cladding according to the invention can be transported, stored and installed in the usual manner since the outer shell (1) does not hinder the setting down of the engine on its supporting feet (8) or the installation of the engine. <IMAGE>

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Citation (search report)

- [X] DE 2159158 A1 19730614 - HATZ MOTOREN
- [Y] EP 0048494 A2 19820331 - NISSAN MOTOR [JP]
- [Y] FR 2062240 A5 19710625 - LIST HANS, et al
- [Y] US 1805729 A 19310519 - GEORGE TALLON
- [A] FR 2390794 A1 19781208 - SAURER AG ADOLPH [CH]
- [A] US 3724599 A 19730403 - HEIDACKER W
- [AD] DE 3142327 A1 19830505 - PORSCHE AG [DE]
- [A] US 2053297 A 19360908 - LAWRENCE NITTEL
- [A] DE 1294101 B 19690430 - CAV LTD
- [A] FR 2427474 A1 19791228 - RICARDO CONSULTING ENG [GB]
- [A] US 4412516 A 19831101 - HAYASHI YOSHIMASA [JP]
- [A] AUTOMOBILTECHNISCHE ZEITSCHRIFT, Band 80, Nr. 6, Juni 1978, Seite 294, Stuttgart, DE; "Neue Schallschluckelemente von Freudenberg"

Cited by
EP0661420A1; DE3929592A1; GB2295855A; GB2295855B; EP2103791A1; EP3623599A1; FR3085642A1

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