

Title (en)  
Portable engine unit.

Title (de)  
Tragbares Motoraggregat.

Title (fr)  
Motoagréat portatif.

Publication  
**EP 0428186 B1 19950118 (EN)**

Application  
**EP 90125124 A 19860401**

Priority

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- JP 6184585 U 19850426
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- JP 6184985 U 19850426
- JP 6381485 A 19850329
- JP 6381585 A 19850329

Abstract (en)  
[origin: EP0428186A1] A portable engine unit is provided. The unit comprises an engine (1) including a clutch (41), a crankcase (47) enclosing a crank shaft (21), and engine cylinder enclosing a piston (97) and a piston rod (21), a carburetor (49), an air filter (67), a recoil starter (45) and a muffler (55). The engine comprises further a housing (3) for enclosing said engine (1), said housing (3) being dividable into two portions (15,17) along a vertical plane (19) including the axis of the output shaft (7). The engine unit further comprises means for isolating the housing (3) from vibrations caused by the engine (1) and the engine (1) is fitted via the vibration isolating means (69, 71, 73, 75) in the housing (3). <IMAGE>

IPC 1-7  
**F02B 63/02**

IPC 8 full level  
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Citation (examination)

- US 4332220 A 19820601 - ITZRODT GERD
- US 4350123 A 19820921 - KOSSEK GUENTER, et al
- US 4494490 A 19850122 - KIYOOKA KATSUMI [JP], et al
- JP S5751130 A 19820325 - BRITISH CHROME CHEMICALS LTD
- JP S58173756 A 19831012 - CANON KK
- US 4422523 A 19831227 - KUWANO MICHIMASU [JP]
- US 4446822 A 19840508 - INAGA HISASHI [JP], et al
- SE 391472 B 19770221 - PARTNER AB [SE]
- US 3772784 A 19731120 - HEERMANN R
- US 4135301 A 19790123 - HOEPPNER KLAUS
- US 4296553 A 19811027 - DIRKS RUDOLF, et al
- JP S5037294 U 19750418
- JP S59106794 A 19840620 - MITSUBISHI HEAVY IND LTD
- US 4286675 A 19810901 - TUGGLE LLOYD H
- JP S5118326 A 19760213 - AMERICAN STANDARD INC

Cited by  
DE19737657A1; DE19737657B4; US6196170B1; US6810849B1

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