

Title (en)
V-type internal combustion engine for vehicle

Title (de)
Fahrzeugsbrennkraftmaschine in V-Bauart

Title (fr)
Moteur à combustion interne à cylindres en pour un véhicule

Publication
EP 0987414 A3 20001213 (EN)

Application
EP 99116978 A 19990827

Priority
JP 26069598 A 19980914

Abstract (en)
[origin: EP0987414A2] Object: To provide a V-type internal combustion engine for a vehicle, which is capable of connecting a primary transmission unit, a starting transmission unit, first and second timing transmission units, and a generator to a crank shaft in a reasonable layout, thereby improving the assembling characteristic and the maintenance characteristic and maintaining a good balance in weight between right and left sides of a vehicular body when the engine is mounted on the vehicle. Solving Means: First and second timing transmission units 461 and 462 adjacent to each other in the axial direction, and a generator 30 adjacent to the outer side of the first and second timing transmission units 461 and 462 are connected to one end portion, projecting outwardly from a first journal 17, of a crank shaft 15, and a primary transmission unit 54 and a starting transmission unit 94 are connected to the other end, projecting outwardly from a second journal 18, of the crank shaft 15. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [XA] US 4903483 A 19900227 - ATSUUMI MAMORU [JP], et al
• [XA] US 4960081 A 19901002 - ATSUUMI MAMORU [JP]
• [X] US 4589382 A 19860520 - TSUBOI MASAHARU [JP]
• [X] PATENT ABSTRACTS OF JAPAN vol. 007, no. 227 (M - 248) 7 October 1983 (1983-10-07)

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