

TRANSMISSION DEVICE FOR UNMANNED AERIAL VEHICLE

Abstract

5 Provided is a transmission device for an unmanned aerial vehicle, wherein arms that drive propellers can be positioned so as not to interfere with an air cleaner and a radiator. A transmission device for an unmanned aerial vehicle in which first through fourth arms are positioned on a machine body upper section and propellers are driven using a straight-four engine, said
10 transmission device comprising: a drive gear that is attached to a crankshaft; a clutch shaft drive gear that meshes with said drive gear; a bevel gear that drives a drive shaft, said drive shaft being perpendicular to the clutch shaft; a drive shaft base gear that is driven by the bevel gear; a top section gear train that comprises a drive shaft main gear, a left sub-gear meshing with said main gear,
15 a reverse gear meshing with said main gear, and a right sub-gear meshing with said reverse gear; first and second bevel gears that mesh with the left sub-gear and drive the first and second arms; and third and fourth bevel gears that mesh with the right sub-gear and drive the third and fourth arms.

20 (Figure 4)