

Title (en)  
AIRBORNE VEHICULE

Title (de)  
FLIEGENDES FAHRZEUG

Title (fr)  
VEHICULE AEROPORTE

Publication  
**EP 0696984 A1 19960221 (EN)**

Application  
**EP 95910667 A 19950310**

Priority  
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Abstract (en)  
[origin: WO9525037A1] An airborne vehicle includes a cabin (2) supported from a shell structure (4). The shell structure (4) is hollow and disc-shaped with a central annular through hole which is braced by struts (14, 16, 18). The shell structure (4) houses a pair of counter rotating helicopter rotor blades (6, 8). The cabin (2) is suspended from the shell structure by a shaft (30). The shaft is rigid with the underside of the shell structure at one end and pivotally connected to a carriage (32) at the other end by a universal joint. The carriage (32) is constrained for longitudinal movement along a guide (24) secured to the roof of the cabin. Displacement of the carriage along the guide displaces the centre of gravity of the cabin (2) with respect to the shell structure (4) and displacement of the universal about two axes, which extend perpendicular to one another, allows the displacement to the attitude of the shell structure (4) with respect to the cabin (2).

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