

AERODYNAMIC AND SPATIAL COMPOSITE FLIGHT AIRCRAFT,
AND RELATED PILOTING METHOD

ABSTRACT

This aircraft comprises both propulsion units (7, 16, 17) for conventional aircraft flight in the atmosphere and for high-altitude operation as a rocket. It is divided into a payload compartment (8) and a
5 compartment (13) essentially containing rocket propulsion unit ergols. It comprises a long transverse wing (3) with a small back-sweep to favour the lift in the dense layers of the atmosphere and make it possible to climb to high altitudes at a subsonic speed before
10 using the rocket propulsion units. The return is performed by gliding or controlled as for a conventional aircraft.

Figure 2.