

TITLE : SPACECRAFT AFTERBODY DEVICE

APPLICANT : ASTRUM SAS

INVENTOR : Marco PRAMPOLINI

DESCRIPTIVE SUMMARY

- The subject of the invention is an afterbody device for a spacecraft fitted with at least one rocket engine (2) at the rear of the craft characterized in that it comprises at least one movable cover element (3, 3a, 3b, 3c, 3d), designed to take a first position, masking and reducing the vehicle's rear drag, where it prolongs the vehicle's fuselage around at least one part of a rocket engine nozzle (4) of the vehicle and extends beyond the rear of the vehicle's fuselage, and to take a second position fully deployed, increasing the vehicle's aerodynamic drag.

FIGURE 5