

ABSTRACT

A damage recovery system of a fuselage (1) of an aircraft (3),
comprising: a tank (8) containing a polyurethane foam; a main
5 duct (10a) fluidically coupled to the tank to receive the
foam; secondary ducts (10b) fluidically coupled to the main
duct; and distribution means (12) adapted to allow an outflow
of the foam from the secondary ducts. Graphene powder can be
mixed and added to the polyurethane foam. In flight, a
10 possible leak (crack or hole) in the fuselage is plugged by
the polyurethane foam with graphene powder.

Main Figure: Figure 3