



US 20160229553A1

(19) **United States**

(12) **Patent Application Publication**

KAMIHARA et al.

(10) **Pub. No.: US 2016/0229553 A1**

(43) **Pub. Date: Aug. 11, 2016**

(54) **BURST DISC DEVICE AND AIRCRAFT**

Publication Classification

(71) Applicant: **MITSUBISHI AIRCRAFT CORPORATION**, Aichi (JP)

(51) **Int. Cl.**
B64D 45/04 (2006.01)

(72) Inventors: **Nobuyuki KAMIHARA**, Tokyo (JP);
Yuichiro KAMINO, Tokyo (JP); **Mitsuo NARUSE**, Aichi (JP)

(52) **U.S. Cl.**
CPC **B64D 45/04** (2013.01)

(57) **ABSTRACT**

The present invention provides a member which protects a burst disc of an aircraft from the shock of lightning strikes. A burst disc device includes: a burst disc which is installed inside a main wing to prevent over pressurization of the main wing; a pressure release passage which is blocked with the burst disc and leads to the outside of the main wing; and an insulative member which is disposed along the inner peripheral edge at a terminal end of the pressure release passage and exposed to the outside of the main wing.

(21) Appl. No.: **14/966,811**

(22) Filed: **Dec. 11, 2015**

(30) **Foreign Application Priority Data**

Feb. 10, 2015 (JP) 2015-24047

