

Abstract

Wearable Device, System and Manufacturing Method for Neck Protection

5 A wearable device includes an airbag made of a flexible and airtight material. The material sheets include a first and a second main sheets each having a partially annular main body portion, an outer perimeter, an inner perimeter, a first and a second end portion and an air duct portion. The inner and outer perimeters of the respective first and second main sheets are airtightly joined, the first and second end portions of the first and second
10 main sheets are airtightly joined respectively, and the air duct portions of the first and second main sheets are airtightly joined to form an air inlet. The airbag is mounted on a helmet and worn by a user. In the event of an accident, the airbag can deform from a folded state to an inflated state and fit around the user's neck, providing neck protection to the user.

15 (Fig. 15B)