US008814266B2

(12) **United States Patent**
Guering

(10) **Patent No.: US 8,814,266 B2**
(45) **Date of Patent: Aug. 26, 2014**

(54) **HEADREST FOR A PASSENGER SEAT FOR AN AIRCRAFT**

(75) Inventor: **Bernard Guering**, Montrabe (FR)

(73) Assignee: **Airbus Operations** (FR)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 54 days.

(21) Appl. No.: **13/575,356**

(22) PCT Filed: **Jan. 28, 2011**

(86) PCT No.: **PCT/FR2011/050169**

§ 371 (c)(1),
(2), (4) Date: **Jul. 26, 2012**

(87) PCT Pub. No.: **WO2011/092435**

PCT Pub. Date: **Aug. 4, 2011**

(65) **Prior Publication Data**

US 2012/0292960 A1 Nov. 22, 2012

(30) **Foreign Application Priority Data**

Jan. 29, 2010 (FR) 10 50636

(51) **Int. Cl.**

B60N 2/42	(2006.01)
B60N 2/427	(2006.01)
B60R 21/055	(2006.01)
B64D 11/06	(2006.01)

(52) **U.S. Cl.**

CPC ***B64D 11/06*** (2013.01); *B64D 2011/0651* (2013.01); *B64D 2011/0665* (2013.01); *B64D 2011/061* (2013.01)

USPC **297/216.12**; 297/487

(58) **Field of Classification Search**

USPC 297/216.12, 487

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,638,293	A	*	5/1953	Lindstrom	244/122 AE
2,798,221	A	*	7/1957	Bailey et al.	2/6.5
3,030,627	A	*	4/1962	Gibson et al.	2/422
3,162,862	A	*	12/1964	Miller	2/424
3,170,659	A	*	2/1965	Wood, Jr.	244/122 B
3,239,843	A	*	3/1966	Lobelle	2/6.4
3,315,272	A	*	4/1967	Olt et al.	2/424
3,329,464	A	*	7/1967	Barwood et al.	297/465
3,380,073	A	*	4/1968	McLaughlin	2/8.1
3,543,308	A	*	12/1970	Stapenhill	2/6.4
3,748,657	A	*	7/1973	Aileo	2/6.4
3,873,996	A	*	4/1975	Varteressian	2/421
3,922,034	A	*	11/1975	Eggert	297/216.12
4,100,619	A	*	7/1978	Piech et al.	2/10
4,114,948	A		9/1978	Perkey	
4,170,792	A	*	10/1979	Higgs	2/10

(Continued)

FOREIGN PATENT DOCUMENTS

DE	19516012 C1	7/1996
DE	102007050139 A1	4/2009

(Continued)

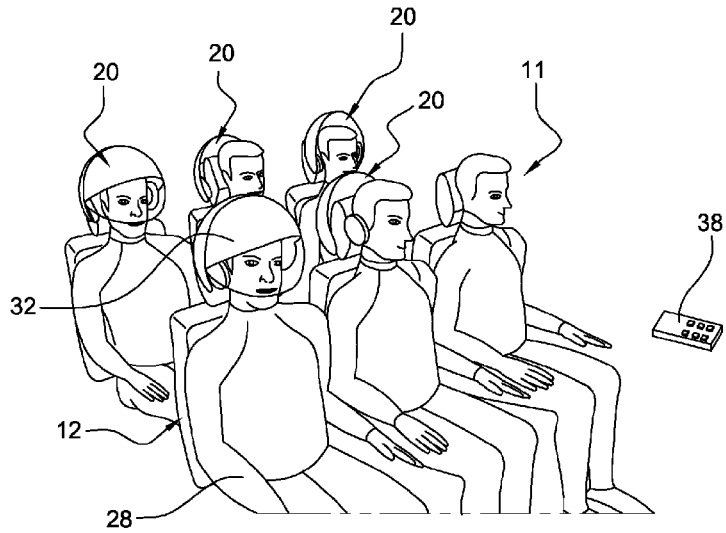
Primary Examiner — Rodney B White

(74) *Attorney, Agent, or Firm* — Lerner, David, Littenberg, Krumholz & Mentlik, LLP

(57) **ABSTRACT**

The aircraft passenger seat headrest (**20**) includes a carrier (**21**) and a helmet (**22**) for at least partially housing the head of the passenger.

The helmet is attached to the carrier and is movably mounted in relation to the carrier (**21**).

Said helmet includes a body and at least one portion (**32**, **34**) that is movably mounted onto the body to extend the latter.

17 Claims, 4 Drawing Sheets