## United States Patent [19]

#### Wingo, Jr. et al.

#### [54] PROTECTIVE HELMET AND LINER

- [75] Inventors: James C. Wingo, Jr., Stafford, Tex.; Nelson Kraemer, Mt. Prospect, Ill.
- [73] Assignee: Riddell, Inc., Chicago, Ill.
- [21] Appl. No.: 589,387

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- [22] Filed: Sep. 27, 1990
- [51] Int. Cl.<sup>5</sup> ..... A42B 3/00
- [58] Field of Search ...... 2/410, 411, 414, 422, 2/425, 190; 181/126

## [56] **References Cited**

#### **U.S. PATENT DOCUMENTS**

3,055,013	9/1962	Aileo	2/414
3,153,792	10/1964	Marietta	2/414
3,364,499	1/1968	Kwoka	2/414
3,609,764	10/1971	Morgan	2/414
3,673,609	7/1972	DeSimone	2/414
3,882,547	5/1975	Morgan	2/414

## [11] Patent Number: 5,035,009

#### [45] Date of Patent: Jul. 30, 1991

		Zebuhr	
4,345,338	8/1982	Frieder, Jr. et al	2/414
4,432,099	2/1984	Grick et al	2/414
4,566,137	1/1986	Gooding	2/425
4,627,114	12/1986	Mitchell	2/414

#### FOREIGN PATENT DOCUMENTS

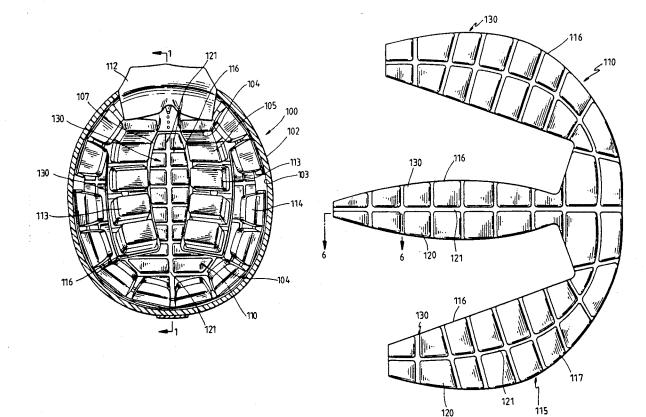
346608	12/1989	European Pat. Off 2/411
3337599	4/1985	Fed. Rep. of Germany 2/410

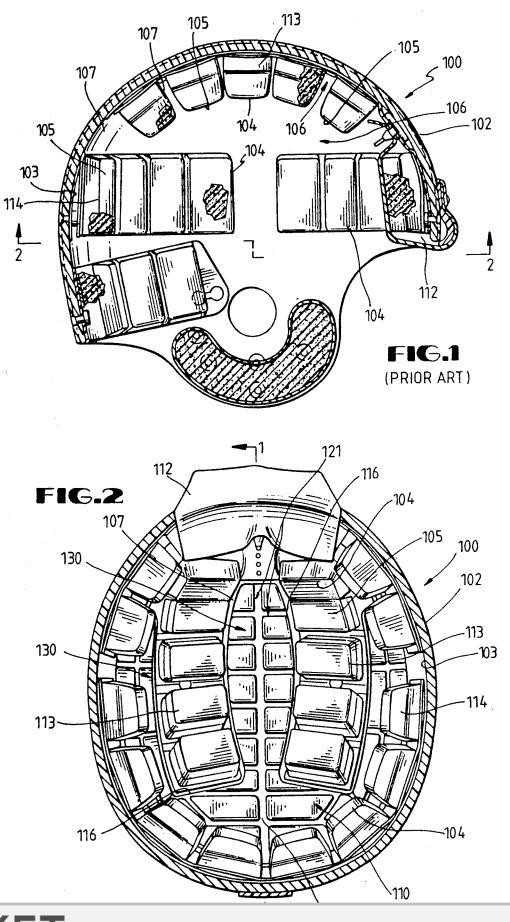
Primary Examiner—Werner H. Schroeder Assistant Examiner—Michael A. Neas Attorney, Agent, or Firm—Ben D. Tobor

#### [57] ABSTRACT

A protective helmet and liner therefor includes a sheet of sound deadening material which fits between impact force absorbing pad structures disposed on the interior of the protective helmet.

#### 20 Claims, 4 Drawing Sheets

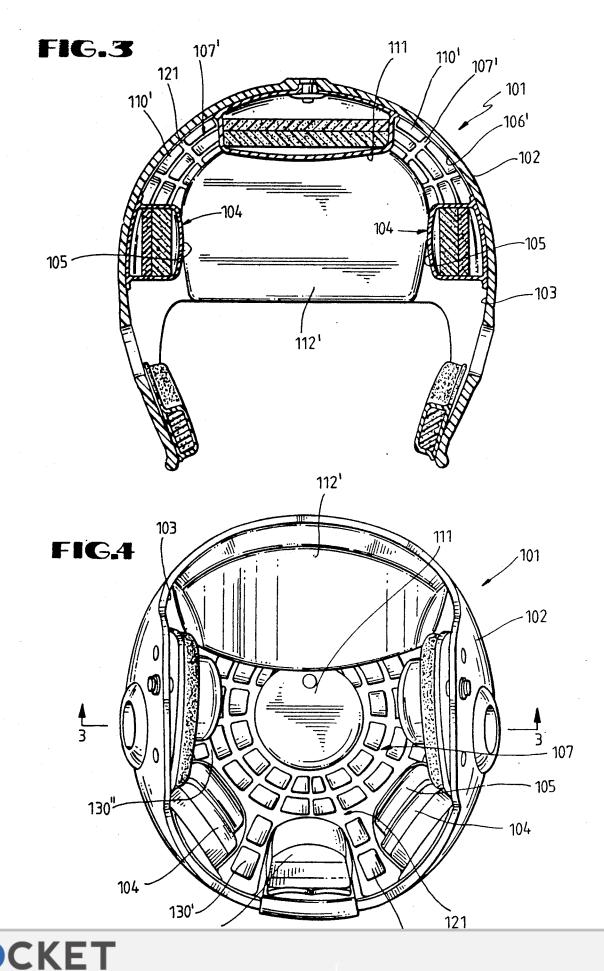




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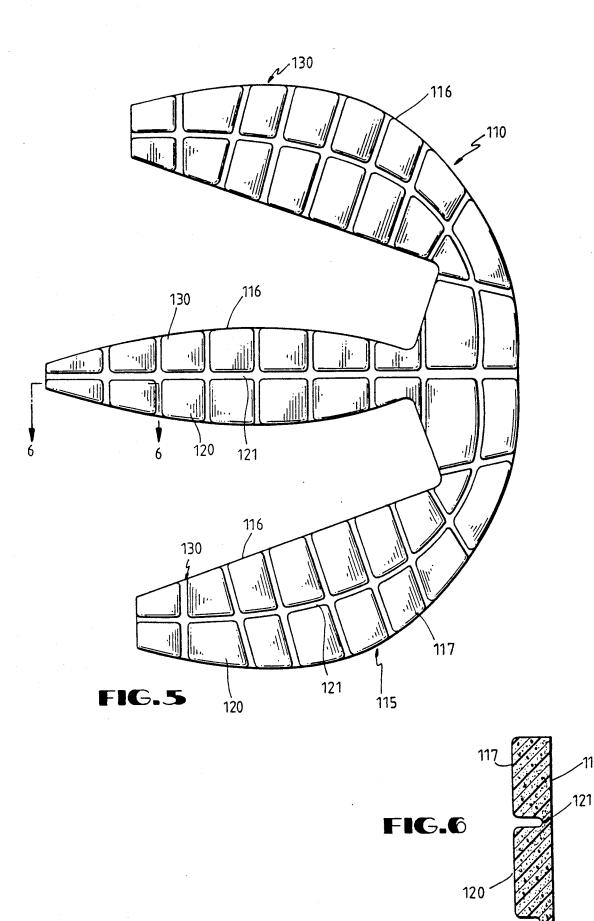
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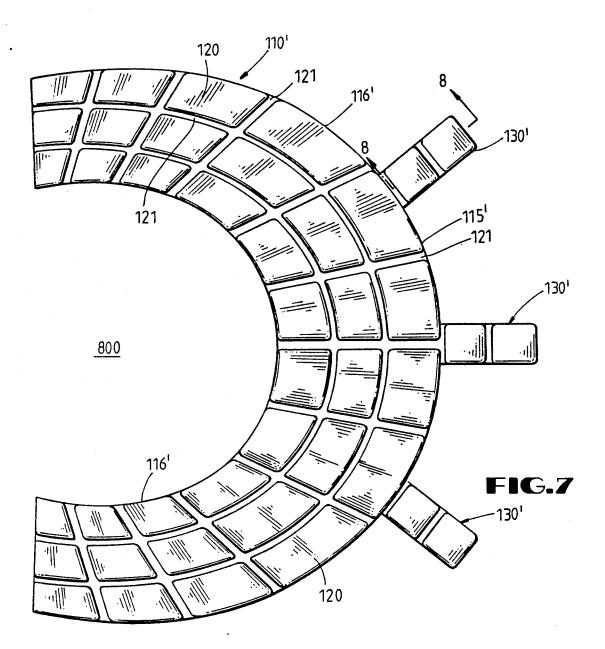


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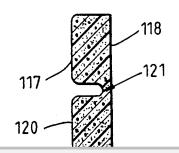
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