United States Patent [19]

Rush, III

[54] **HELMET**

[76] Inventor: **Gus A. Rush, III**, 1800 12th St., Meridian, Miss. 39301

[21] Appl. No.: **288,078**

[22] Filed: **Aug. 10, 1994**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 66,670, May 25, 1993, Pat. No. 5,390,367, which is a continuation-in-part of Ser. No. 964,875, Oct. 22, 1992, Pat. No. 5,287,562, which is a continuation-in-part of Ser. No. 818,840, Jan. 10, 1992, abandoned.

[51] **Int. Cl.^{6}** **A42B 3/06**; A42B 3/30

[52] **U.S. Cl.** **2/413**; 2/422; 2/424; 2/425; 2/906; 455/100

[58] **Field of Search** 2/422, 411, 413, 2/415, 424, 425, 2, 905, 906; 362/103, 105, 106; 455/100

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Primary Examiner—Peter Nerbun
Attorney, Agent, or Firm—Cushman Darby & Cushman, L.L.P.

[57] **ABSTRACT**

A helmet assembly for providing an indication when a predetermined axial compressive force tending to cause serious injury to the wearer is applied thereto. The assembly comprises a rigid helmet having a lower rim for at least partially encircling the head of the wearer. The helmet is defined by an exterior surface including a crown areal. A transmitting device is carried by the helmet for transmitting a signal to a remote location when a predetermined amount of axial compressive force is applied to the crown area. Receiving means disposed remotely from the helmet receives the signal transmitted by the transmitting device.
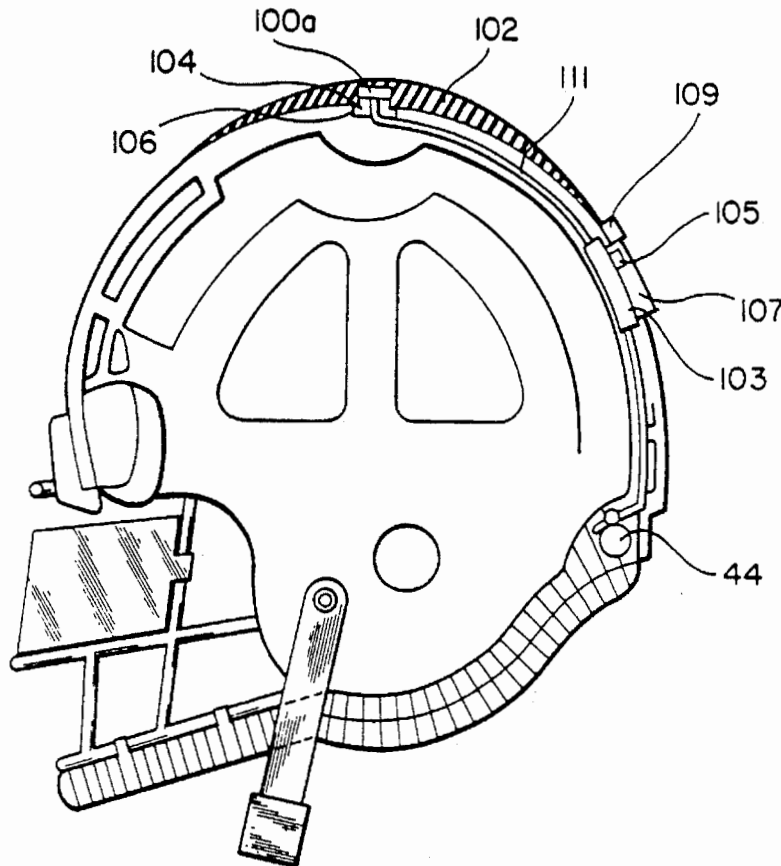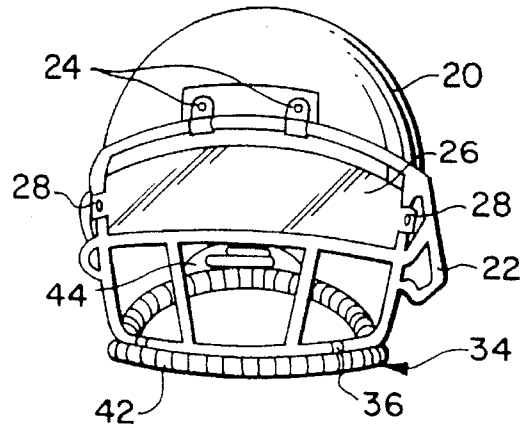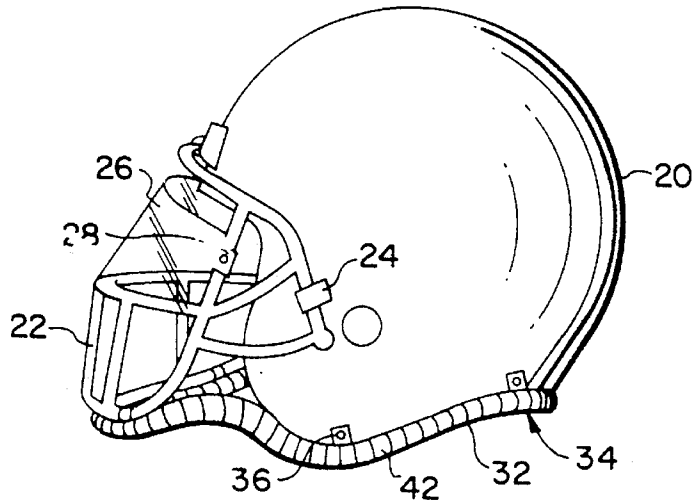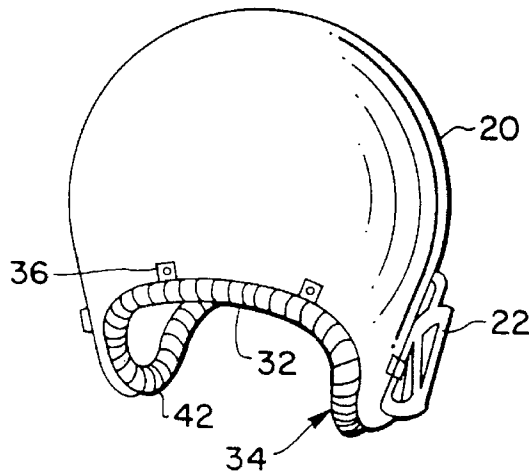
31 Claims, 7 Drawing Sheets

FIG. 1

FIG. 2

FIG. 3

FIG. 4
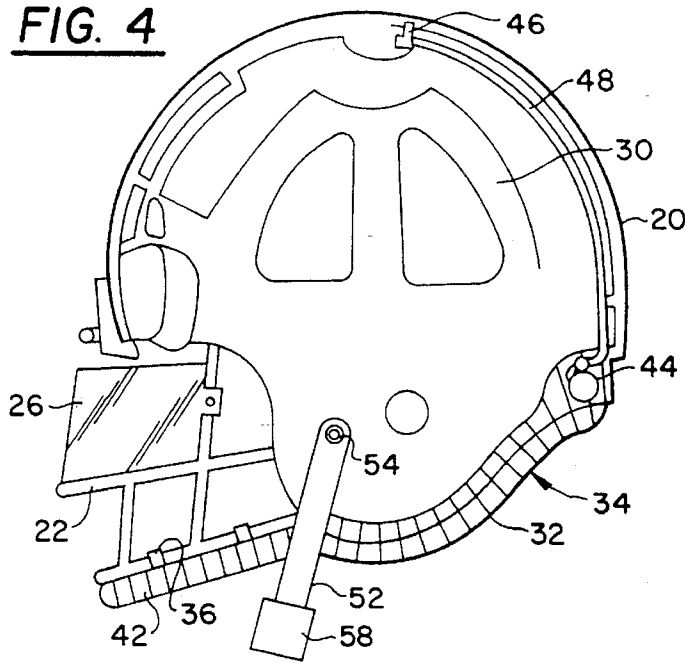
FIG. 5
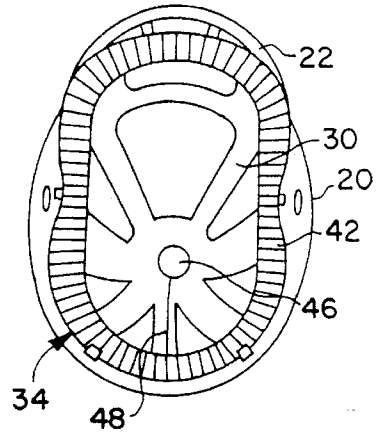
FIG. 6
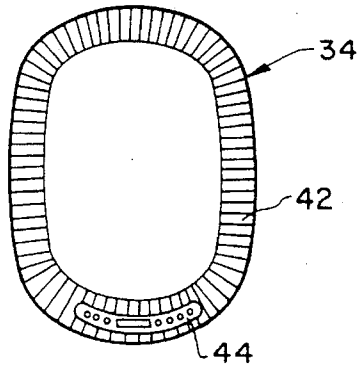
FIG. 8
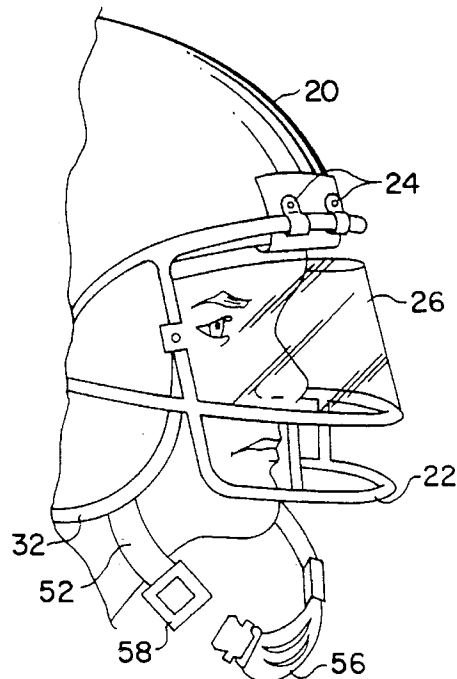
FIG. 7

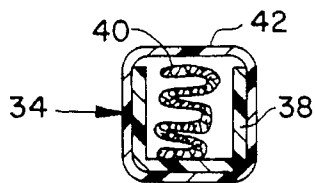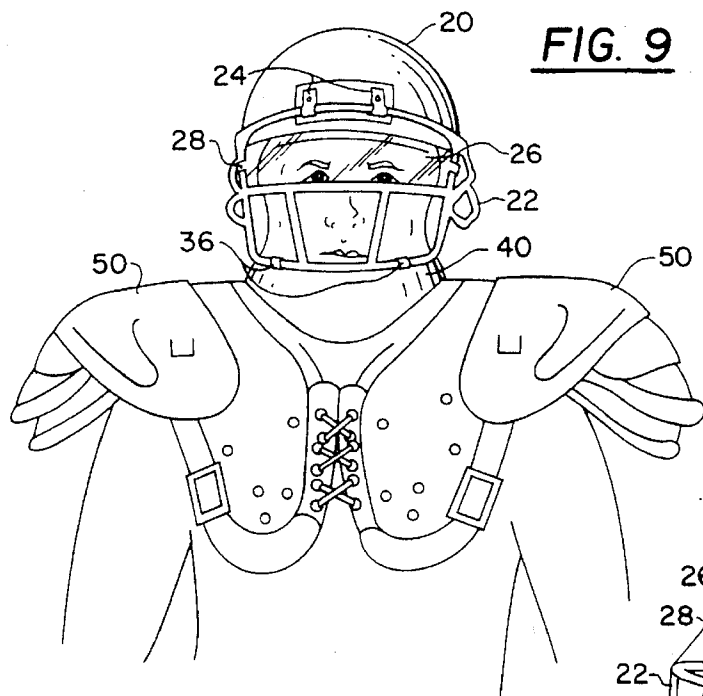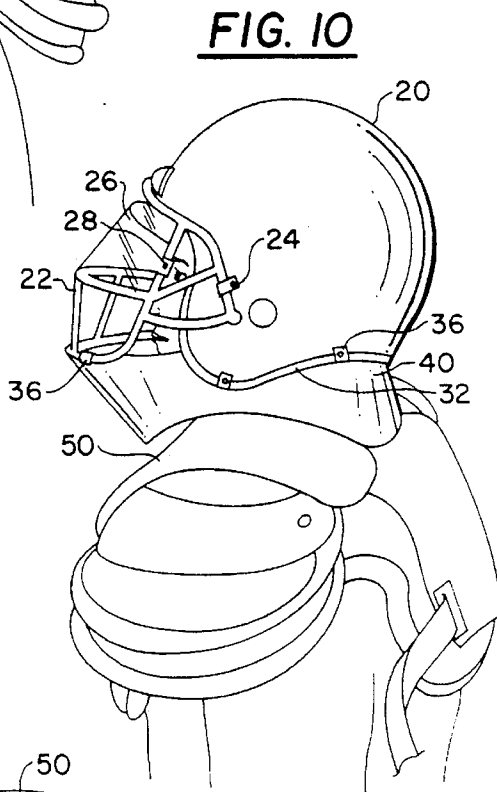FIG. 9

FIG. 10
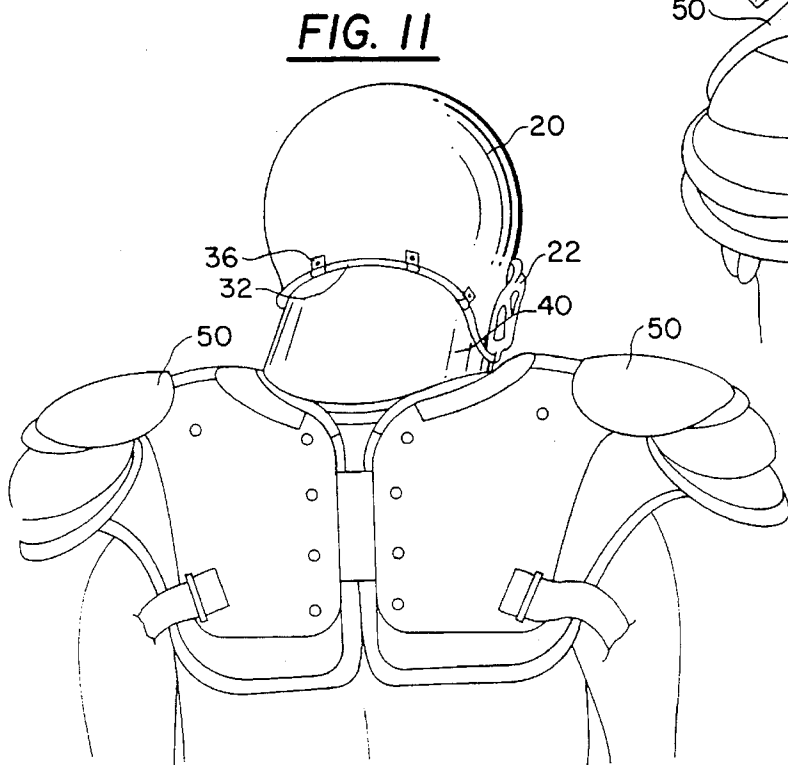
FIG. 11
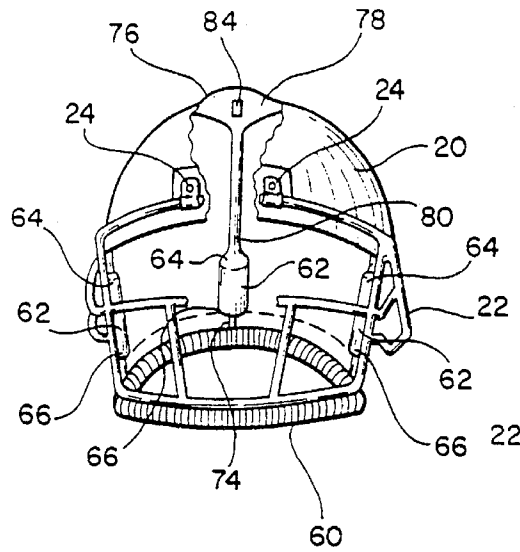
FIG.12
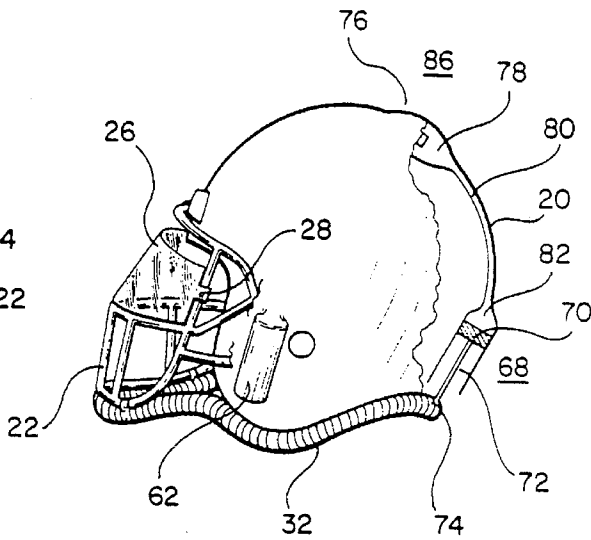
FIG.13

FIG.14

FIG.15

DOCKET ALARM
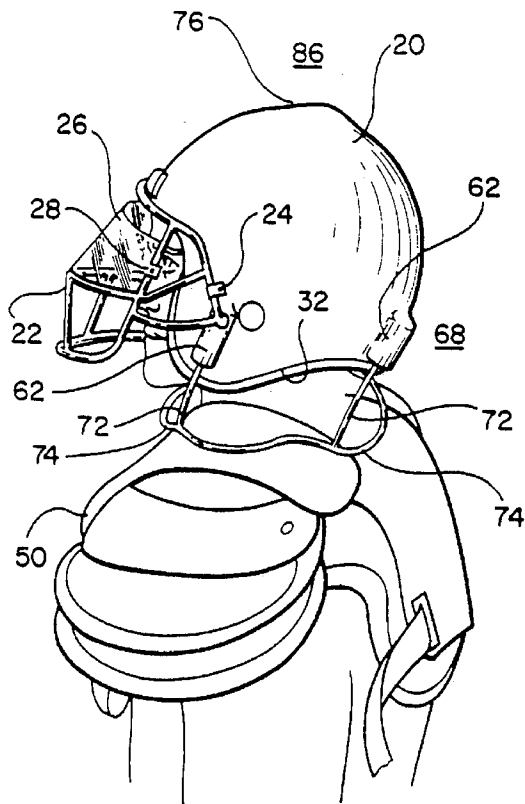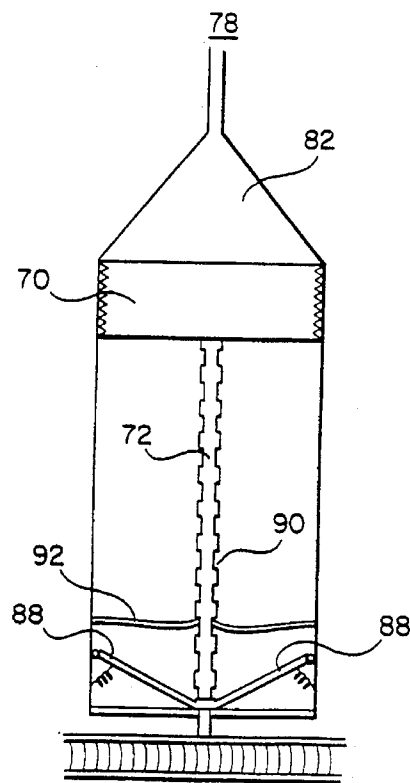
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