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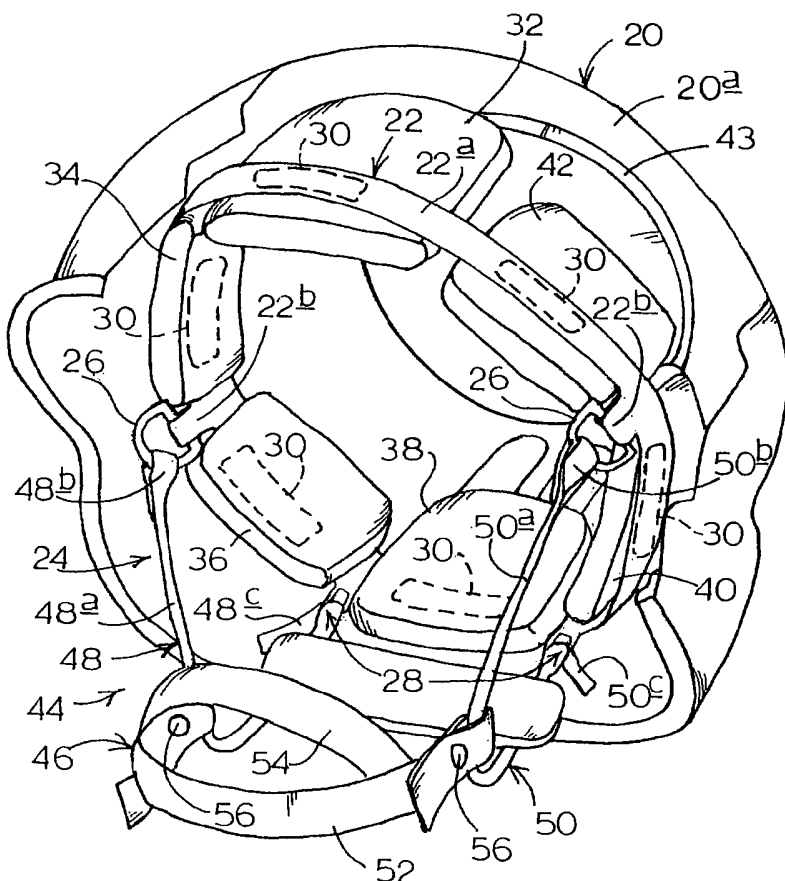
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(54) Title: SELF-BALANCING, LOAD-DISTRIBUTING HELMET STRUCTURE



(57) Abstract: A self-seeking, load-distributing, load-balancing and shock-managing headengaging system for use inside, and in association with, the shell of a helmet, including (a) a collection of configurationally changeable, shock-absorbing pads removeably and changeably attached/attachable effectively as a variable distribution to the inside of such a shell, and (b) a cinchable, self-seeking/adjusting, self-loadbalancing and load distributing chin-strap subsystem operatively associated with the pad distribution, and also attached to the shell. This sub-system is sensitive to the then-particularities of such a pad distribution, and is operable, on cinching of the subsystem through the simple act of pulling on just two strap ends, to stabilize the associated helmet shell on the head of a wearer, with all of the pads in the thendistribution of pads being thereby drawn into proper, defined, shock-managing, loadistributing and load-balancing condition relative to the wearer's head.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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A. CLASSIFICATION OF SUBJECT MATTER

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USPC: 2/414,421

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 2/414,421

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2340872 A (FLYNN et al.) 08 February 1944 (08.02.1944), column 2, lines 25-62.	1-5
Y	US 3,289,212 A (MORGAN) 06 December 1966 (06.12.1966), column 2, lines 39-51.	1-5

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☐ See patent family annex.

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document member of the same patent family

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