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(54) Title: NECK BRACE

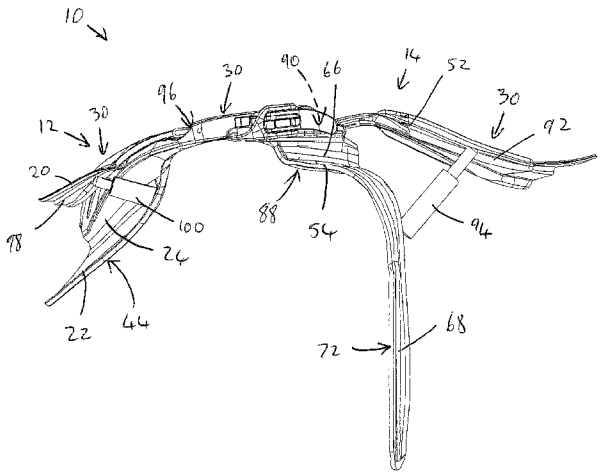

Fig 2

(57) Abstract: A neck brace (10) is provided, which has an impact surface (30) which that can limit movement of a helmet by contacting an underside of the helmet, bearing surfaces (44,72,88) configured for bearing on the body of a wearer, and a structure (24,66,94,100) between the impact surface (30) and the bearing surfaces (44,72,88), that can transfer impact loads of the helmet on the impact surface (30), to the wearer's body. Parts (92,98) of the neck brace (10) that defines part of the impact surface (30) are displaceable towards the wearer s body and the structure (94,100) is configured to permit the displacement at rates slower than a predetermined rate, but to resist displacement if the rate exceeds the predetermined rate. The displacement of the parts (92,98) allow the wearer to move the helmet to positions not otherwise permitted by the impact surface (30), but the resistance to displacement ensures that impact loads can still be transferred from the helmet to the body, during impacts.

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	US 5 371 905 A (KEIM HUGO A [US]) 13 December 1994 (1994-12-13) figure 1	1-17
A	US 5 444 870 A (PINSEN DAVID [US]) 29 August 1995 (1995-08-29) the whole document	1
A	WO 2005/051251 A (LEATT CHRISTOPHER JAMES [ZA]) 9 June 2005 (2005-06-09) cited in the application the whole document	1-17

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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