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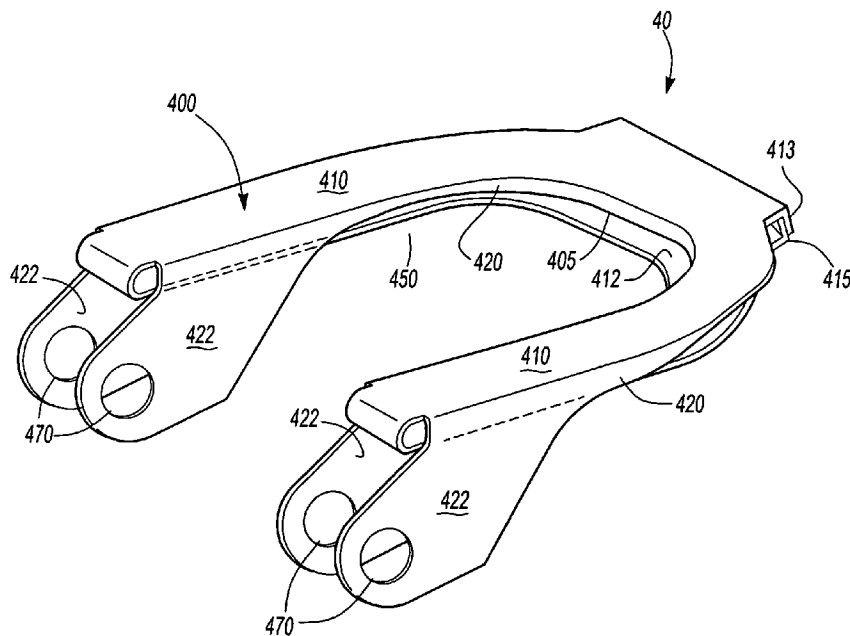
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[Continued on next page]

(54) Title: STRUCTURAL COMPONENT



**Fig-10**

(57) Abstract: A lightweight motor vehicle structural component is provided. The component has at least one fully-boxed section extending in a longitudinal direction, the fully-boxed section made from a single piece of sheet metal. In addition, the fully-boxed section has a generally U-shaped first portion which has an open side that is oppositely disposed from and in alignment with a second portion.



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**A. CLASSIFICATION OF SUBJECT MATTER*****B60G 21/05(2006.01)i, B62D 27/02(2006.01)i, B62D 29/00(2006.01)i***

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)

B60G 21/05; B21D 19/00; B61D 17/04; B62D 21/00; B62D 21/02; B65D 19/00; B65D 19/34; C22C 21/08; E04C 3/04; E04C 3/07

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

Korean utility models and applications for utility models since 1975.  
Japanese utility models and applications for utility models since 1975.

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

eKOMPASS(KIPO internal) &amp; Keywords:"lightingweight, sheet, metal, structural, suspension, beam"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 1998-000346 A1 (PLASTIC SYSTEMS, INC.) 08 January 1998 See the abstract, page 3, line 5 - page 3, line 36; claims 1-9, and figures 1-9	1-20
Y	JP 2006-027366 A (KAWASAKI HEAVY IND LTD) 02 February 2006 See the abstract, paragraphs 1-6, claims 1-18, and figures 1-6	1-20
Y	KR 10-2001-0087232 A (KABUSHIKI KAISHA KOBE SEIKO SHO) 15 September 2001 See the whole document.	1-20
Y	US 4864940 A1 (DUNN; GEORGE D.) 12 September 1989 See the whole document.	1-20
A	KR 10-0780105 B1 (POSCO, et al.) 30 November 2007 See the abstract, claims 1-8, and figures 1-4	1-20
A	WO 2002-092414 A1 (SAINIO, SIMO-PEKKA) 21 November 2002 See the whole document.	1-20
A	US 5507522 A1 (RITCHIE; JACK J.) 16 April 1996 See the whole document.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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**INTERNATIONAL SEARCH REPORT**

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