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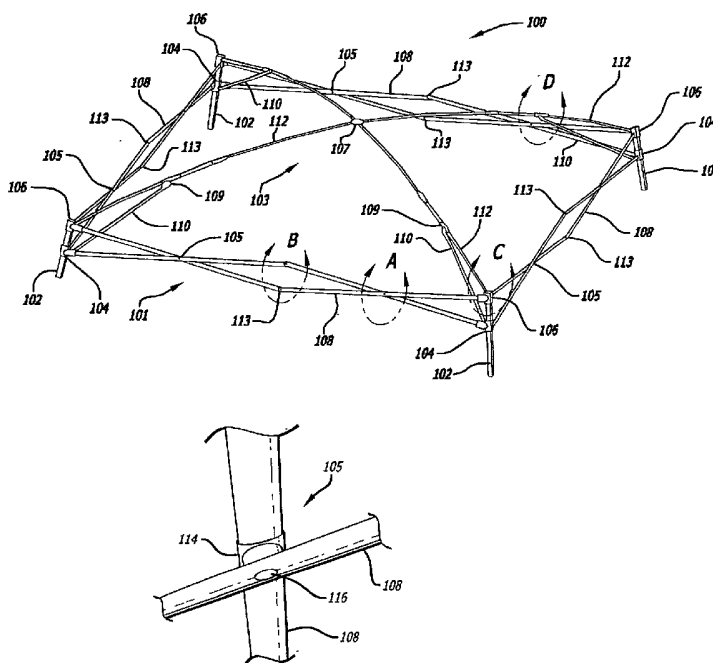
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[Continued on next page]

(54) Title: PORTABLE SHELTER WITH ROLLING ELEMENT BEARINGS



(57) Abstract: The present invention provides an improved portable shelter frame having upwardly extending support poles and linkage assemblies connecting the poles. Within the joints of the linkage assemblies are rolling element bearings to reduce joint friction and provide reinforcement support to the shelter frame.

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B. FIELDS SEARCHED
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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 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.
A	US 4,766,980 A (ENGLE) 30 August 1988 (30.08.1988). See entire document.	1, 6, 12-15
A	US 4,808,023 A (ARNOLD et al.) 28 February 1989 (28.02.1989). See entire document.	1, 6, 12-15
Y	US 5,244,001 A (LYNCH) 14 September 1993 (14.09.1993) See entire document	1-10, 12-14
Y	US 6,076,770 A (NYGREN et al.) 20 June 2000 (20.06.20000). See entire document.	1,6,12-15
Y	US 5,632,293 A (CARTER) 27 May 1997 (27.05.1997) See entire document	1-15
Y	US 6,035,877 A (LOSI, Jr. et al.) 14 March 2000 (14.03.2000). See entire document.	1-15
Y	US 6,206,020 A (LAYNCH) 27 March 2001 (27.03.2001). See entire document	1-10, 12-14
Y	US 6,470,902 A (CARTER) 29 October 2002 (29.10.2002). See entire document.	1-15
Y	US 5,638,853 A (TSAI) 17 June 1997 (17.06.1997). See entire document.	1-15

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

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