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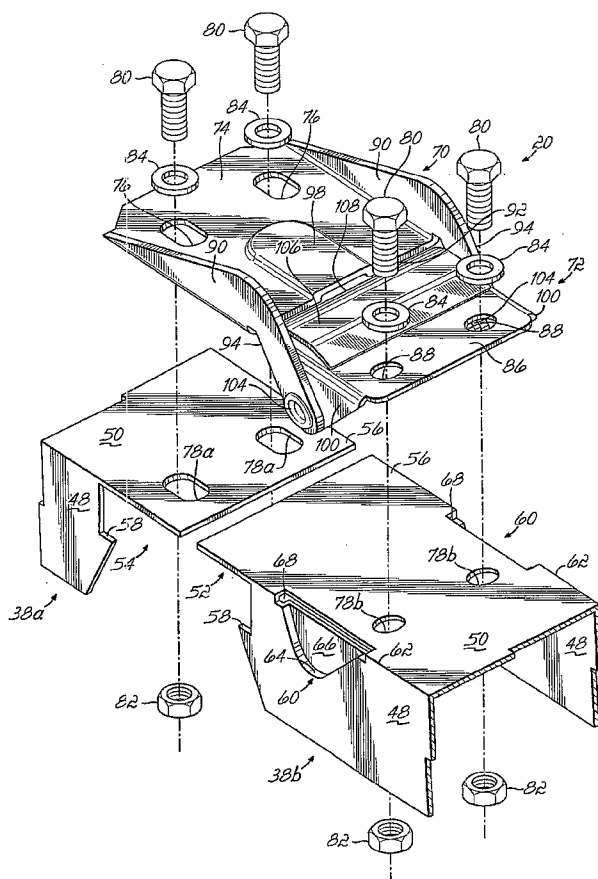
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[Continued on next page]

(54) Title: OVERHEAD SECTIONAL DOOR, HINGE AND STILE ASSEMBLY



(57) Abstract: A hinge assembly (20) pivotally couples adjacent panels (14) together in an overhead sectional door (10). The panels (14) include stiles (38) between each lateral end of the panel (14) to which the hinge assemblies are attached. The hinge assembly (20) includes an upper hinge leaf (70) on an upper panel with a pair of spaced generally parallel flanges (90) which span the juncture between the upper and lower panels. The hinge assembly (20) also includes a lower hinge leaf (72) with a pair of flanges (90) projecting generally parallel to each other. The lower hinge leaf is mounted to one of the stiles (38) of the lower panel and each flange includes a pivot axis hole near a terminal end thereof for alignment with a pivot axis hole in one of the flanges (90) of the upper leaf (70).



FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
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USPC - 160/201

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)

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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)

MicroPatent, IP.com, DialogPro

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,006,817 A (STONE et al) 28 December 1999 (28.12.1999) entire document	1-24
Y	US 6,629,387 B2 (WHITLEY et al) 07 October 2003 (07.10.2003) entire document	1-24
Y	US 5,782,283 A (KENDALL) 21 July 1998 (21.07.1998) entire document	1-20
Y	US 5,913,352 A (SCATES et al) 22 June 1999 (22.06.1999) entire document	3-5, 15-16, 19-20
A	US 2,233,351 A (ROWE) 25 February 1941 (25.02.1941) entire document	1-24
A	US 3,376,913 A (CLAPSADDLE) 09 April 1968 (09.04.1968) entire document	1-24
A	US 5,551,125 A (ADAMS) 03 September 1996 (03.09.1996) entire document	1-24
A	US 5,857,510 A (KRUPKE et al) 12 January 1999 (12.01.1999) entire document	1-24
A	US 6,076,590 A (FORD et al) 20 June 2000 (20.06.2000) entire document	1-24
A	US 6,698,492 B2 (LEWIS, JR) 02 March 2004 (02.03.2004) entire document	1-24
A	US 6,725,898 B2 (MULLET et al) 27 April 2004 (27.04.2004) entire document	1-24
A	US 6,843,300 B2 (MULLET et al) 18 January 2005 (18.01.2005) entire document	1-24

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