

(54) **SNOWSHOE APPARATUS**

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(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,161,071 A	7/1979	Mud	
4,226,601 A *	10/1980	Lawton et al.	36/124
4,348,823 A	9/1982	Knapp et al.	
4,351,121 A	9/1982	Wallace	
4,720,927 A	1/1988	Abegg	
4,720,928 A *	1/1988	Faber et al.	36/122
5,253,417 A	10/1993	Klebahn et al.	
5,440,827 A	8/1995	Klebahn et al.	
5,493,794 A	2/1996	McKenzie et al.	
5,517,772 A *	5/1996	Anderson	36/122
5,542,197 A	8/1996	Vincent	

5,687,491 A	11/1997	Klebahn	
5,718,068 A	2/1998	Sawyer et al.	
5,787,612 A	8/1998	Mahoney et al.	
5,918,387 A	7/1999	Emerson	
5,918,388 A	7/1999	Emerson et al.	
5,946,829 A	9/1999	Quellais et al.	
6,003,249 A	12/1999	Watson	
6,006,453 A *	12/1999	Klebahn et al.	36/123
6,112,436 A	9/2000	Quellais	
6,185,846 B1 *	2/2001	Neidhardt, Jr.	36/124
6,363,628 B1	4/2002	Mahon et al.	
6,367,173 B2 *	4/2002	Lancon	36/122
6,694,646 B2 *	2/2004	Messner et al.	36/122
6,725,576 B2	4/2004	Emerson et al.	
6,814,360 B2	11/2004	Kiniry et al.	
6,898,874 B2	5/2005	Emerson et al.	
7,509,757 B2 *	3/2009	Monsoes et al.	36/122
7,661,207 B2 *	2/2010	Monsoes et al.	36/122
2002/0083624 A1 *	7/2002	Lansel	
2008/0141564 A1 *	6/2008	Mathews et al.	36/124

\* cited by examiner

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(57) **ABSTRACT**

A snowshoe apparatus having a frame assembly, a pivot assembly pivotally attached to the frame assembly, and a binding assembly pivotally attached to the pivot assembly is disclosed. The snowshoe apparatus may also include first and second crampons pivotally attached to the frame assembly, with the first crampon configured to pivot relative to the frame assembly substantially independent of the second crampon. In addition, at least one of the first crampon and the second crampon may be laterally movable relative to the frame assembly. The snowshoe apparatus may also comprise a resilient heel support assembly coupled to the frame assembly. A corresponding method of assembly is also disclosed.

**26 Claims, 25 Drawing Sheets**

