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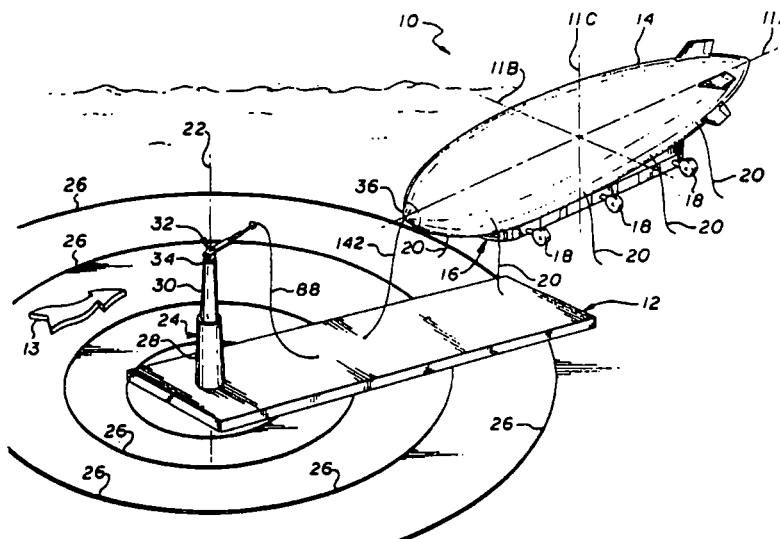


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(21) International Application Number: PCT/US95/06476 (22) International Filing Date: 30 May 1995 (30.05.95) (30) Priority Data: 322,457 11 October 1994 (11.10.94) US (71) Applicant: LOCKHEED CORPORATION [US/US]; 1011 Lockheed Way, Palmdale, CA 93599 (US). (72) Inventor: WOOD, Wilfred, L.; 5035 Stratford Lane, Quartz Hill, CA 93536 (US). (74) Agent: DACHS, Louis, L.; 1011 Lockheed Way, Palmdale, CA 93599-9121 (US).		(81) Designated States: AU, BR, CA, CN, JP, KR, MX, NZ, RU, SG, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. With amended claims.  *162162*  *ACTION*

(54) Title: A MOORING TOWER ASSEMBLY FOR A LIGHTER-THAN-AIR VEHICLE



(57) Abstract

The invention is a mooring tower (24) for a lighter-than-air vehicle (14). In detail, the invention includes a vertical tower (24) having a vertical and lateral axis. A first support member (40) is mounted on the top (34) of said tower (24), which is rotatable in a horizontal plane about a vertical axis aligned with the vertical axis of the tower. A second support member (54) is mounted by its first end (56) to the first support member (40) and includes a telescoping second end (64). The second support member (54) is rotatable in a vertical plane about its first end (56). The second support member (54) includes an aperture (88) extending therethrough from the first end to the second. A winch (82) is mounted to the vertical tower (34) having a mooring line (88) extending through the aperture (80) in the second member (54) from the first end (56) to and out the second end (64) thereof. Thus a vehicle (10) having the end of the mooring line (88) attached to the nose (36) thereof can be winched to the vertical tower (24).

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