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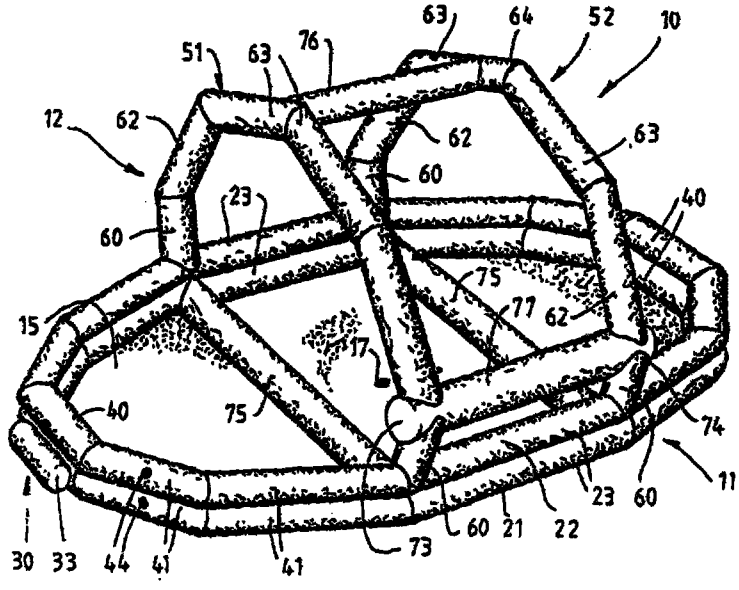
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(54) Title: SELF-RIGHTING INFLATABLE LIFE RAFT



(57) Abstract

A self-righting inflatable life raft (10) comprises a raft body (11) having inflatable side walls (21, 22) and a floor (15) located therebetween. At least two inflatable tube members form arches (51, 52) that extend from one side of the raft body to the other, each arch extends upwardly and outwardly from a perimeter of said raft body (11) at an angle from the perpendicular to said raft body. The life raft has a central axis of symmetry (61) and a centre of gravity through which the weight of the life raft acts to rotate the raft on the surface of water from an unstable inverted position to a stable upright position. The tube members when inflated have a buoyancy sufficient to exert a turning moment on the life raft (10) causing the life raft to topple by gravity to an upright position. At least one inflatable interconnecting tube (70, 71, 72, 76, 77) is positioned between the arches (51, 52) and offset from the central axis (61) to increase the turning moment.