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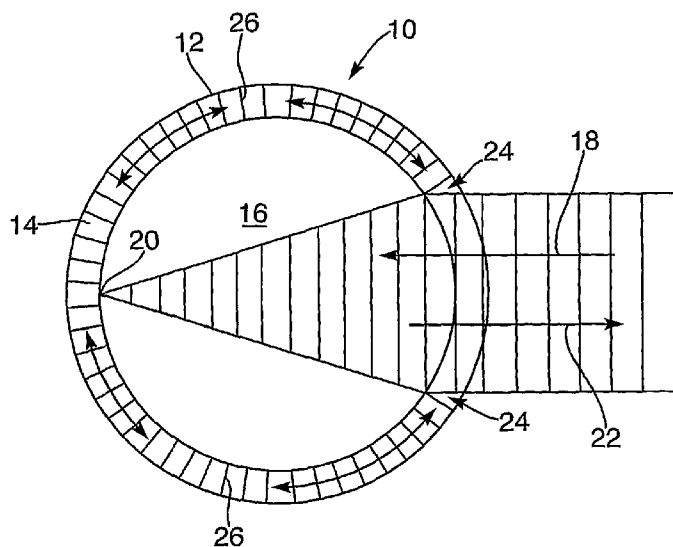
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(54) Title: AN ACOUSTIC REFLECTOR



(57) Abstract: An acoustic reflector (10) suitable for use as a reflective target for navigational aids and for location and re-location applications. The acoustic reflector comprises a shell (12) arranged to surround a solid core (16). The shell is adapted to transmit acoustic waves (18) incident thereon into the core (16). Within the core the acoustic waves are focused before being reflected from an opposing side of the shell (20) to provide a reflected acoustic wave. A portion of the acoustic waves incident on the shell is coupled into the shell wall and guided within and around the circumference thereof (26) before being re-radiated and combining constructively with the reflected acoustic wave to provide an enhanced reflected acoustic wave.

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