

Acoustic Marx Amplifier

PATENT, STUDY & TECHNICAL DOCUMENTATION

PROBLEM

A pressure-amplification concept needed to be stated as a reproducible invention class rather than as a loose analogy to an electrical Marx generator.

WORK

The invention disclosure defines the architecture, minimum functional conditions, novelty boundary, enablement logic, embodiments, and prior-art gap in patent-ready technical language.

OUTCOME

The mechanism becomes explicit enough for counsel and engineers to evaluate novelty, written description, obviousness, and implementation scope from the same technical object.

REPRESENTATIVE CONTENT

- Defines parallel acoustic charging with threshold-triggered sequential discharge into a common output path.
- Maps minimum functional conditions to written-description and enablement requirements.
- Separates the claimed architecture from conventional phased-array and HIFU focusing approaches.