

GRAPH – 30mm Chamber Pressure vs. Time

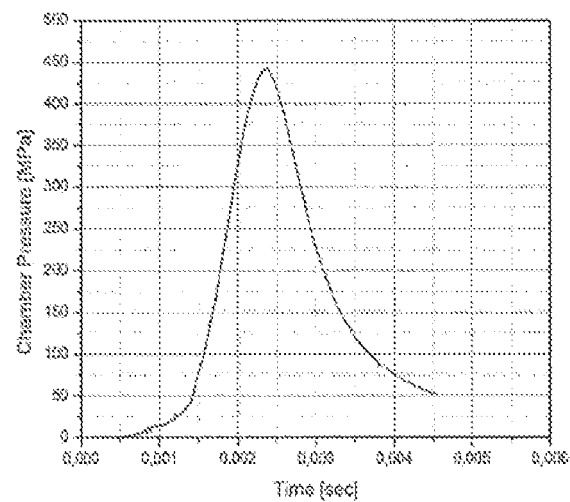


FIG. 1

TABLE – Relative Chamber Pressure (Mpa) by Ammo & Weapon

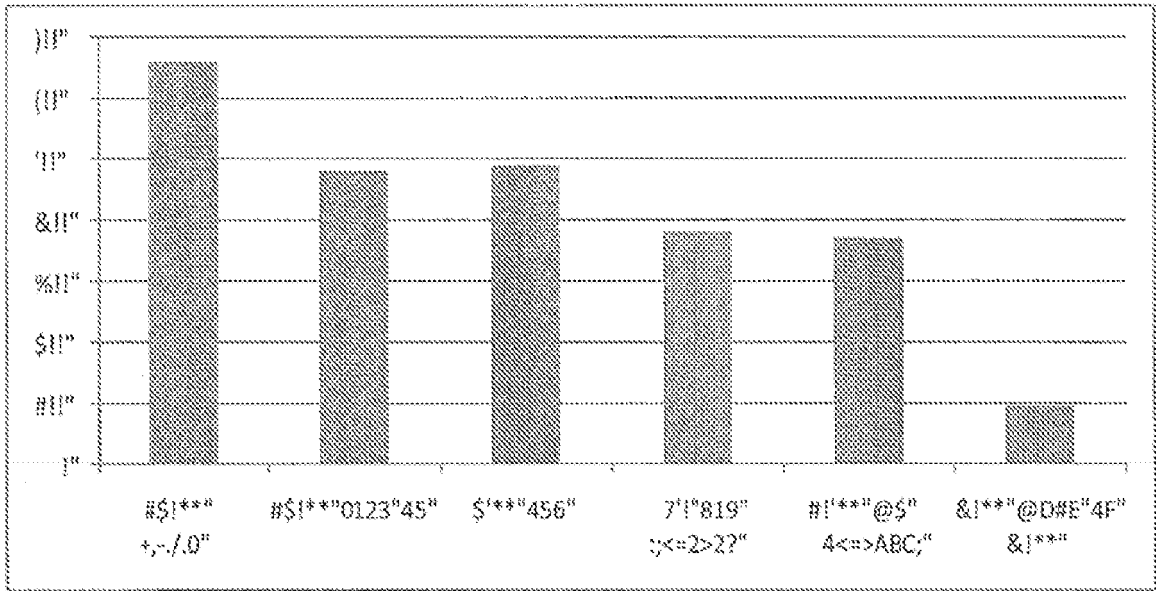


FIG. 2

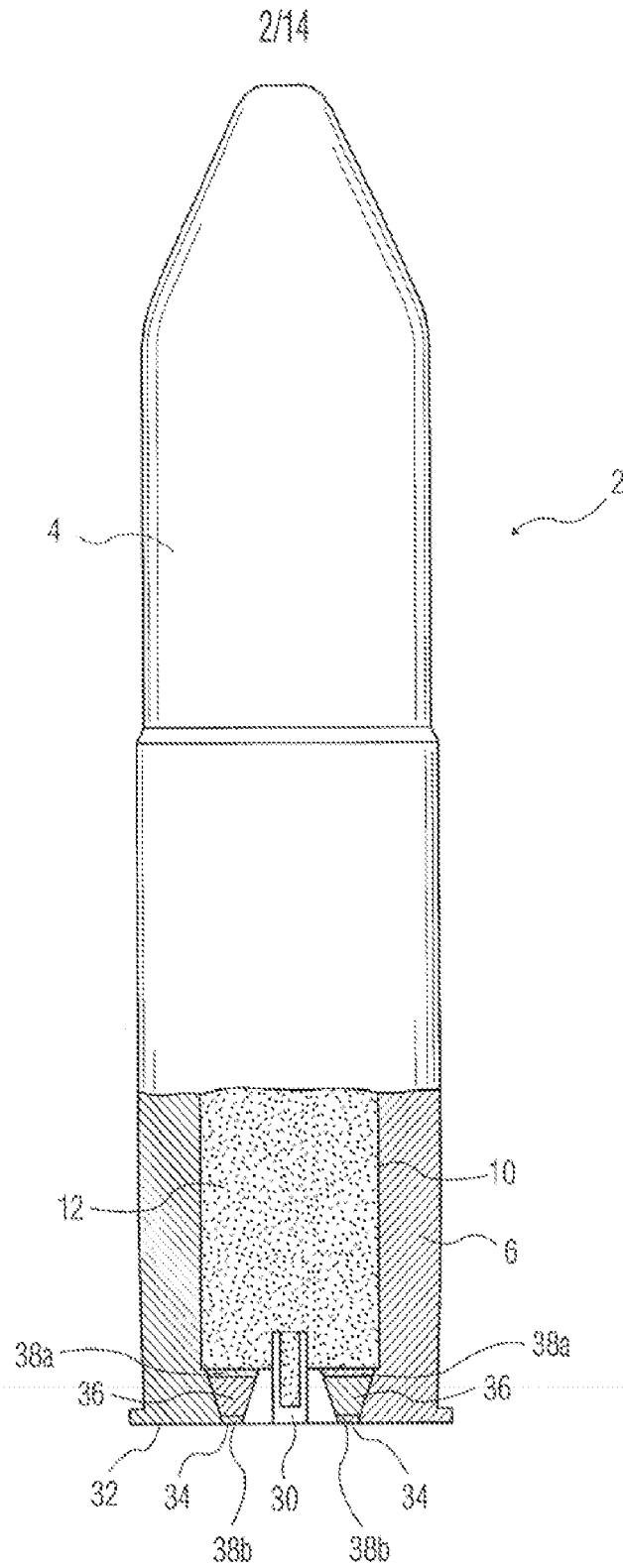


FIG. 3

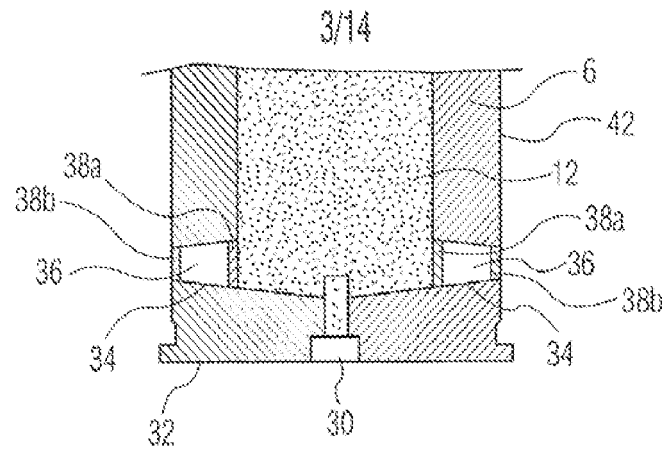


FIG. 4

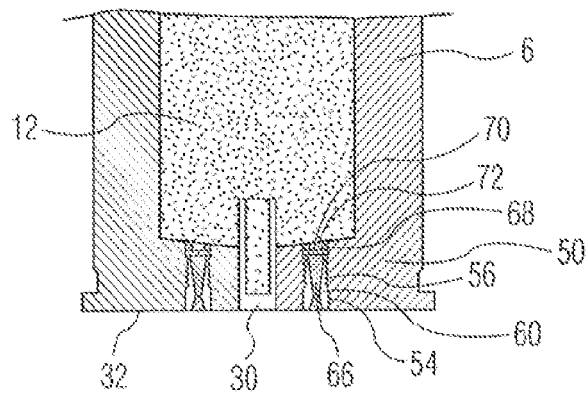


FIG. 5

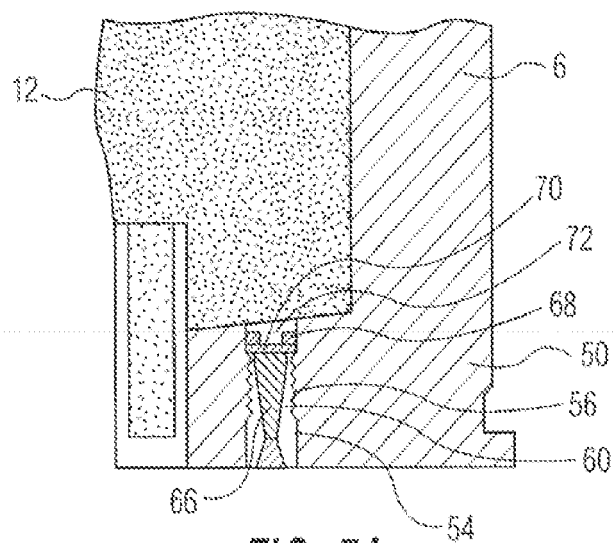


FIG. 5A

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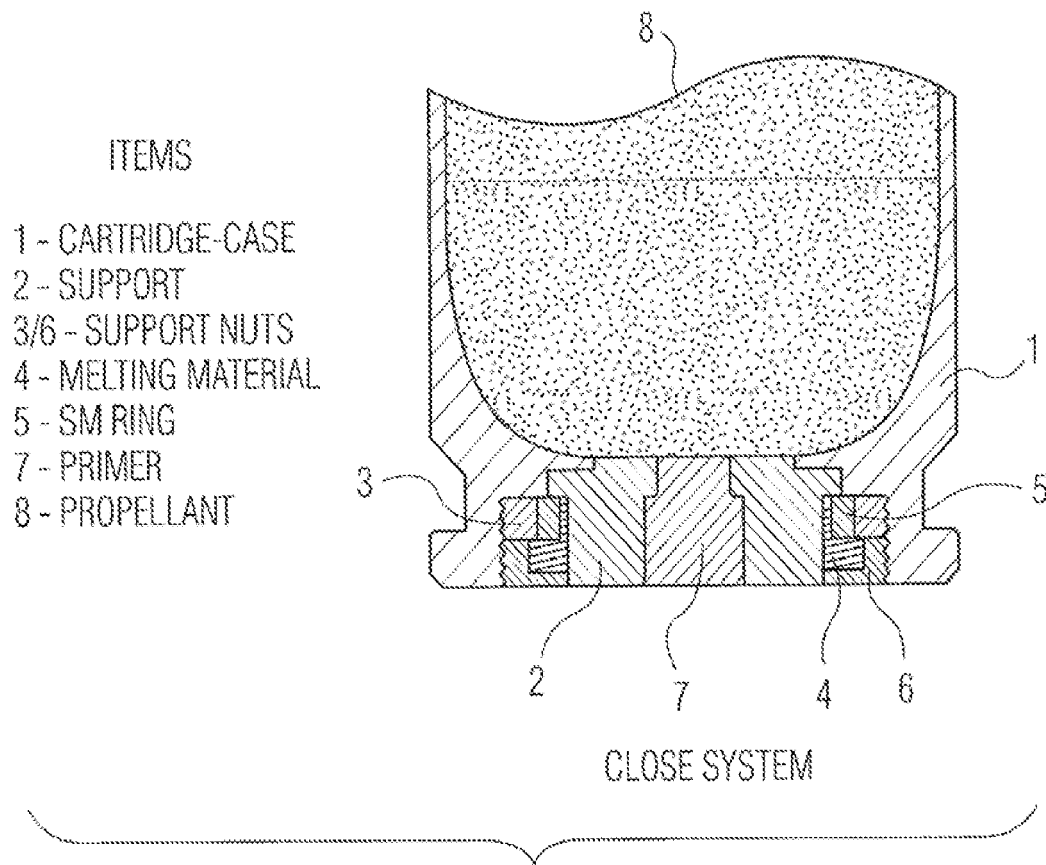
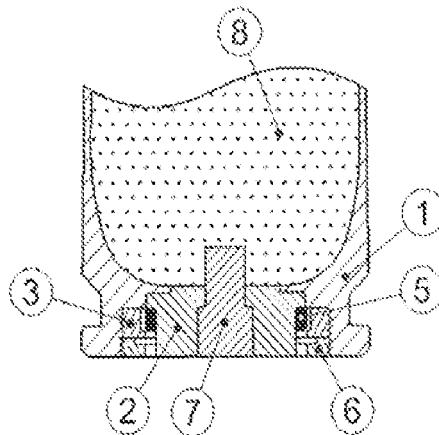


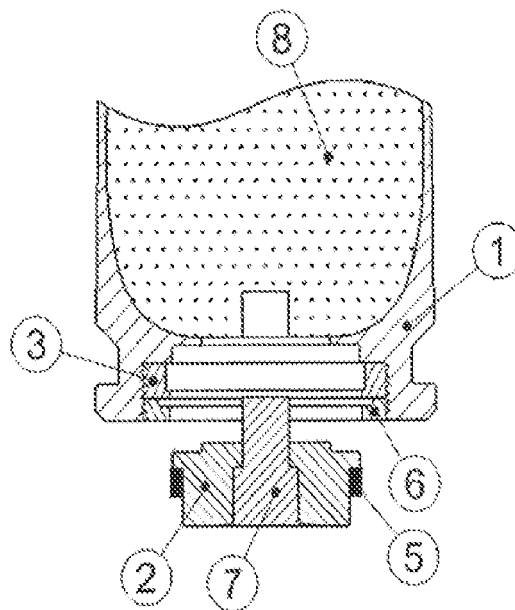
FIG. 6

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Without melting material
SM ring compressed.

FIG. 7



Released system

FIG. 8

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Items

- 1- Cartridge-Case
- 2- Support
- 3- Support nuts
- 4- Melting material
- 5- SM Ring
- 7- Primer
- 8- Propellant

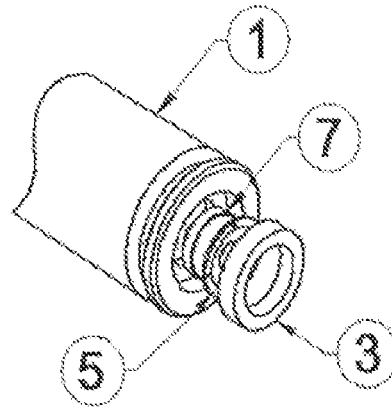


FIG. 9

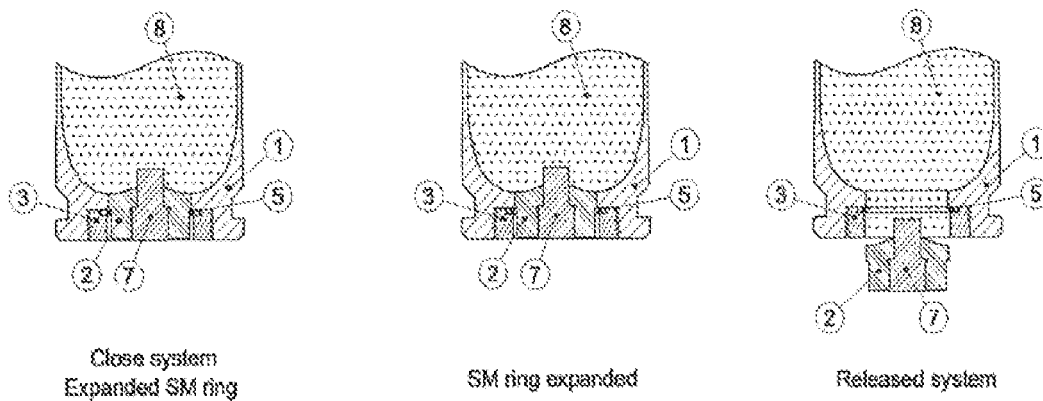


FIG. 10

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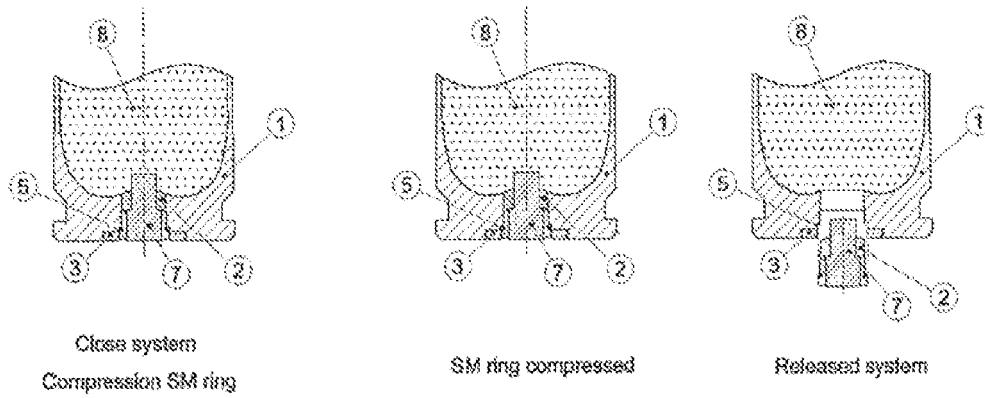
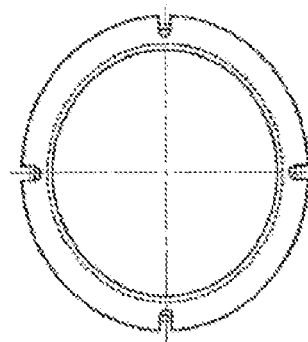


FIG. 11



ESC: 2:1

FIG. 12

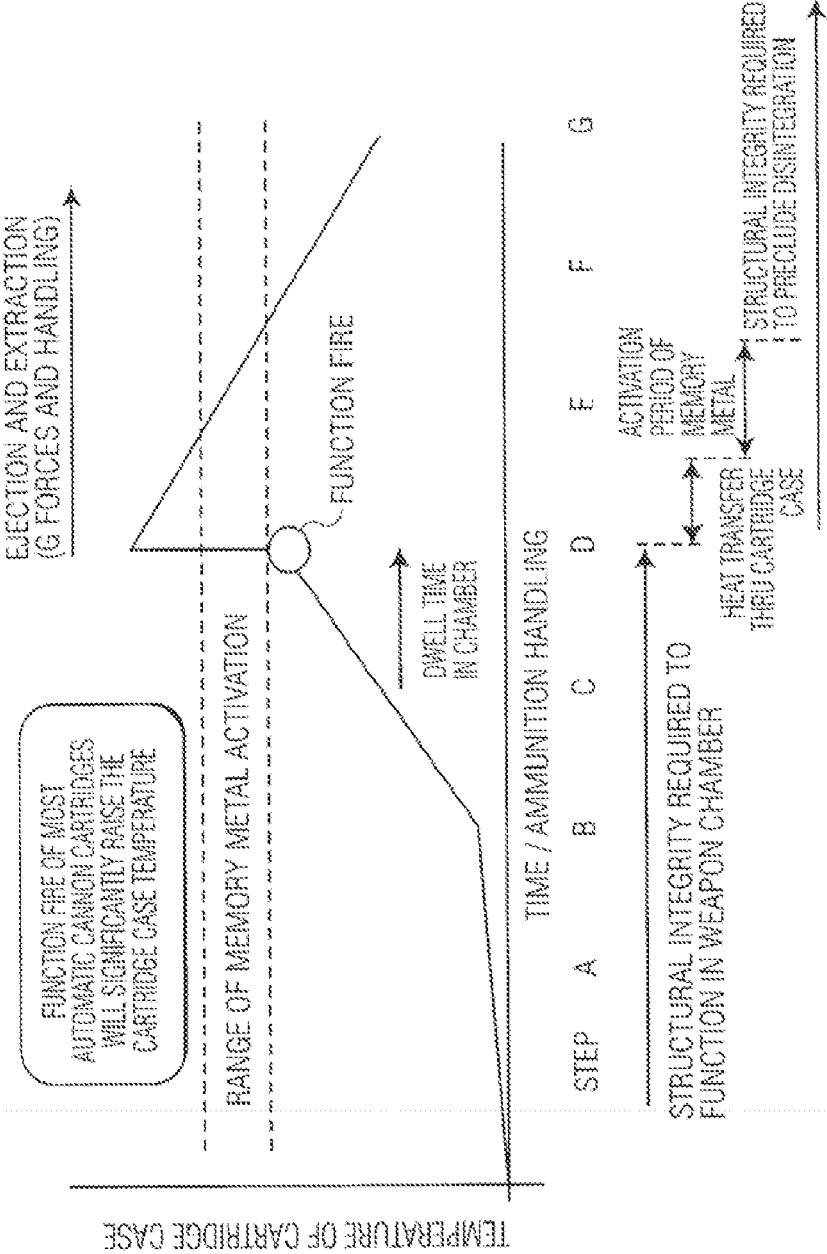


FIG. 13A

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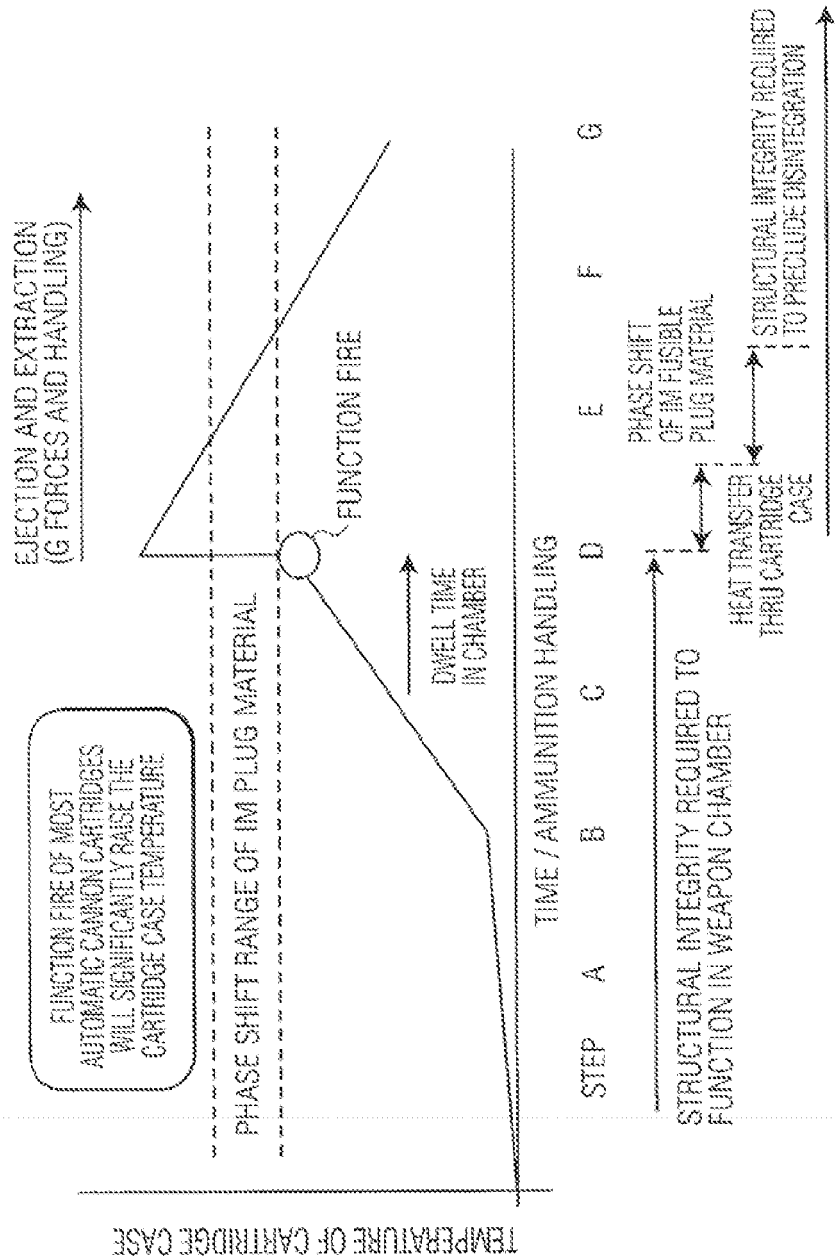


FIG. 13B

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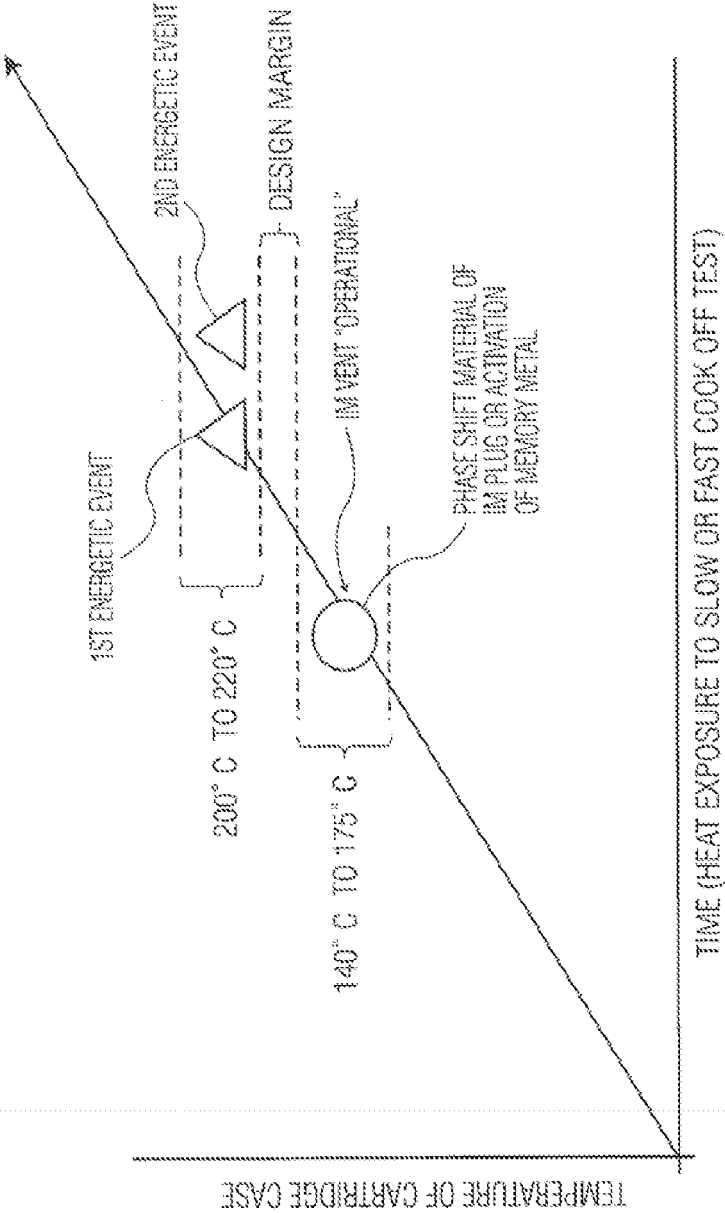


FIG. 13C

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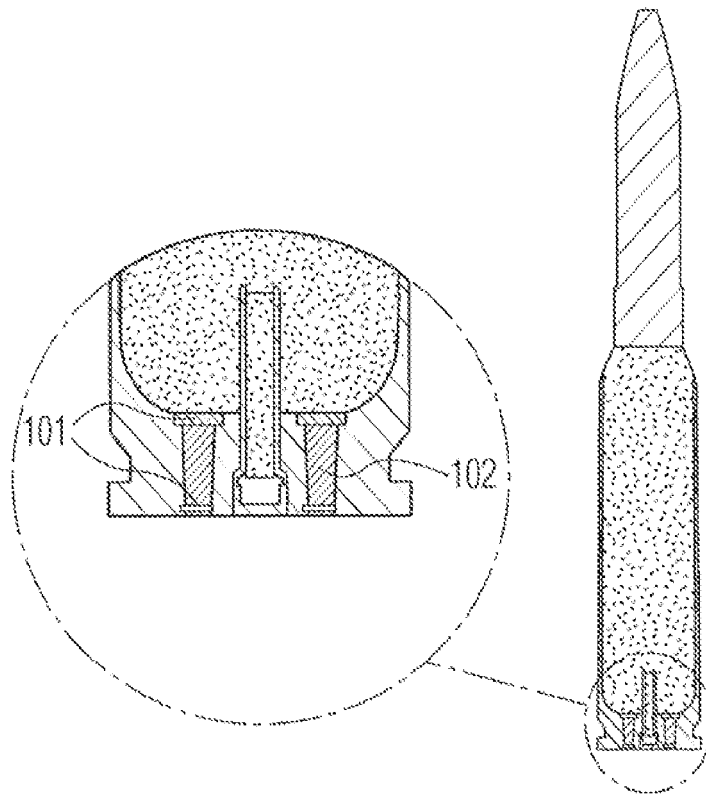


FIG. 14

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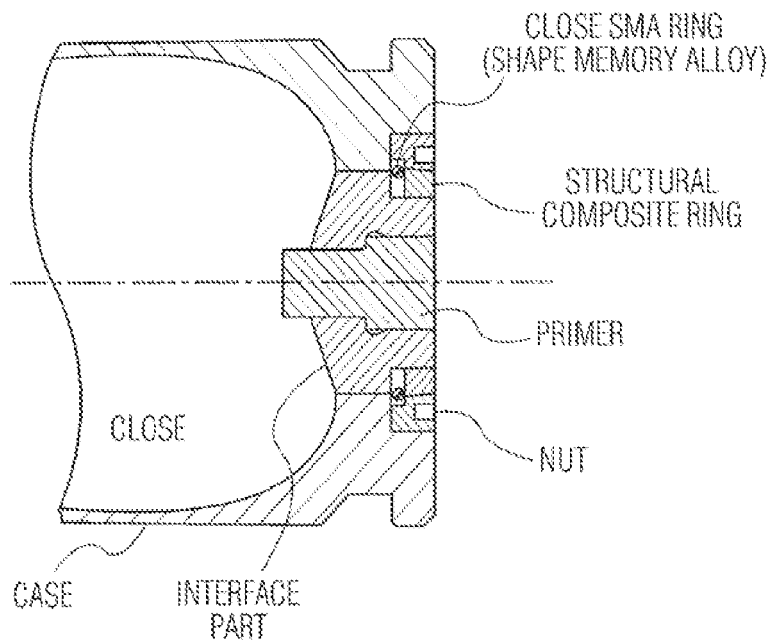


FIG. 15A

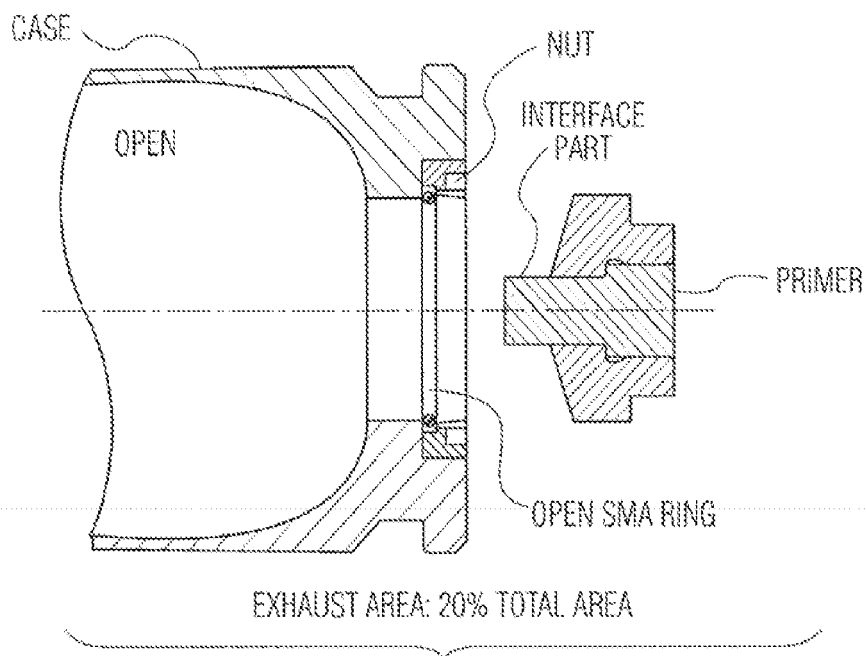


FIG. 15B

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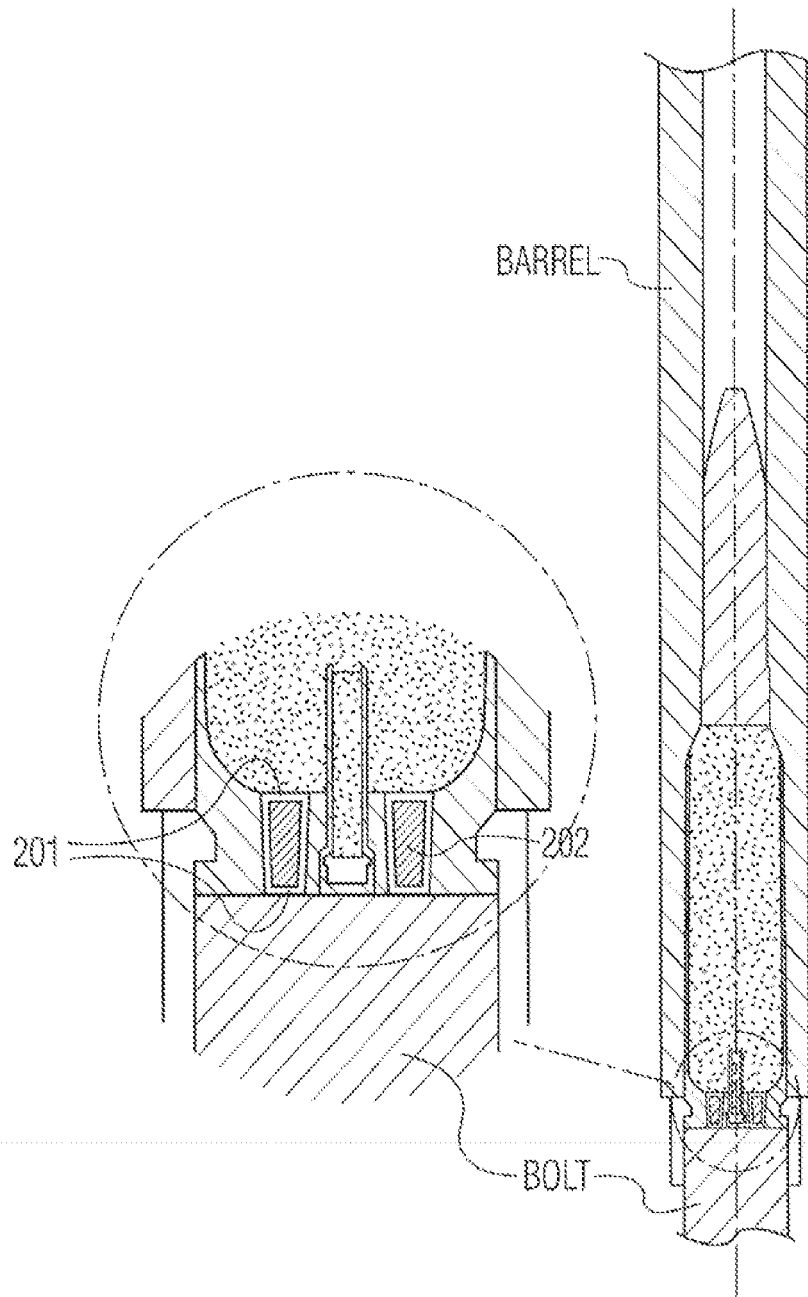


FIG. 16

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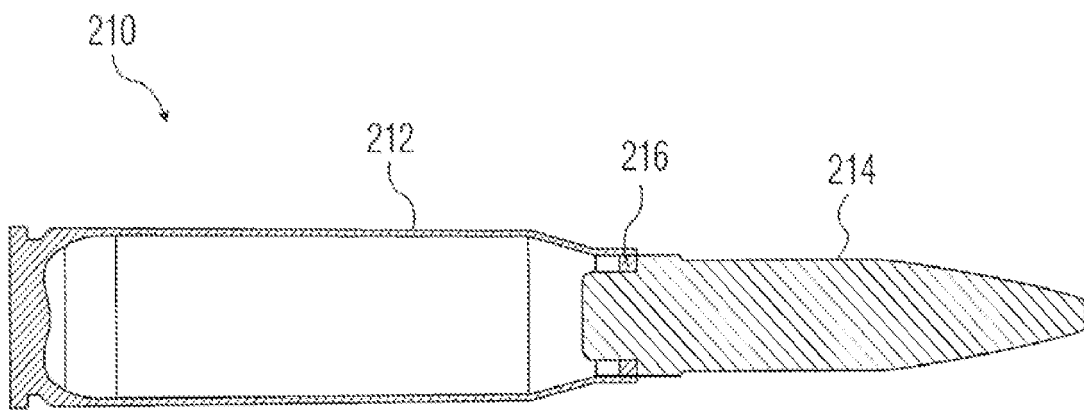


FIG. 17