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(54) **SELECTABLE, INTERNALLY ORIENTED AND/OR INTEGRALLY TRANSPORTABLE EXPLOSIVE ASSEMBLIES**

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This patent is subject to a terminal disclaimer.

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E21B 43/116 (2006.01)
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CPC **E21B 29/02** (2013.01); **E21B 43/116** (2013.01); **E21B 43/117** (2013.01); **E21B 43/119** (2013.01); **E21B 43/1185** (2013.01)

(58) **Field of Classification Search**
CPC E21B 29/02; E21B 43/116; E21B 43/117; E21B 43/1185; E21B 43/119; E21B 43/118

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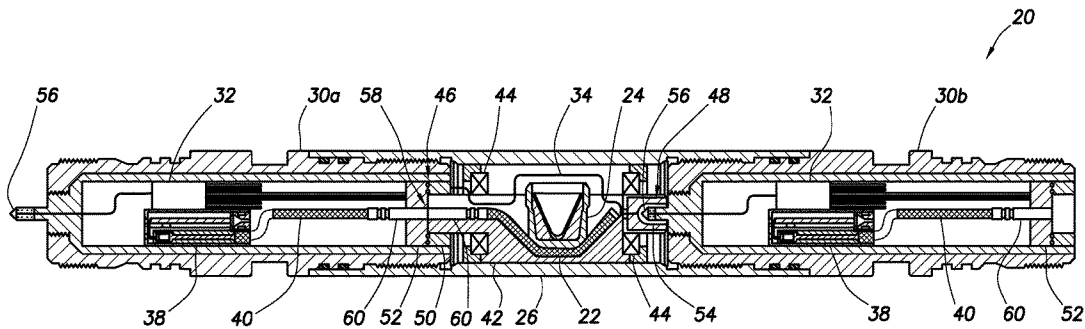
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(57) **ABSTRACT**

A system can include multiple explosive assemblies, each assembly comprising an outer housing, an explosive component rotatable relative to the housing, and a selective firing module which causes detonation of the component in response to a predetermined signal. A method can include assembling multiple explosive assemblies at a location remote from a well, installing a selective firing module, an electrical detonator and an explosive component in a connector, and connecting the connector to an outer housing, and then transporting the assemblies from the remote location to the well. A well perforating method can include assembling multiple perforating guns, each gun comprising a gun body, a perforating charge, and a selective firing module which causes detonation of the charge in response to a predetermined signal. The guns are installed in a wellbore, with the charge of each gun rotating relative to the respective gun body.

23 Claims, 9 Drawing Sheets



- (51) **Int. Cl.**
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 See application file for complete search history.

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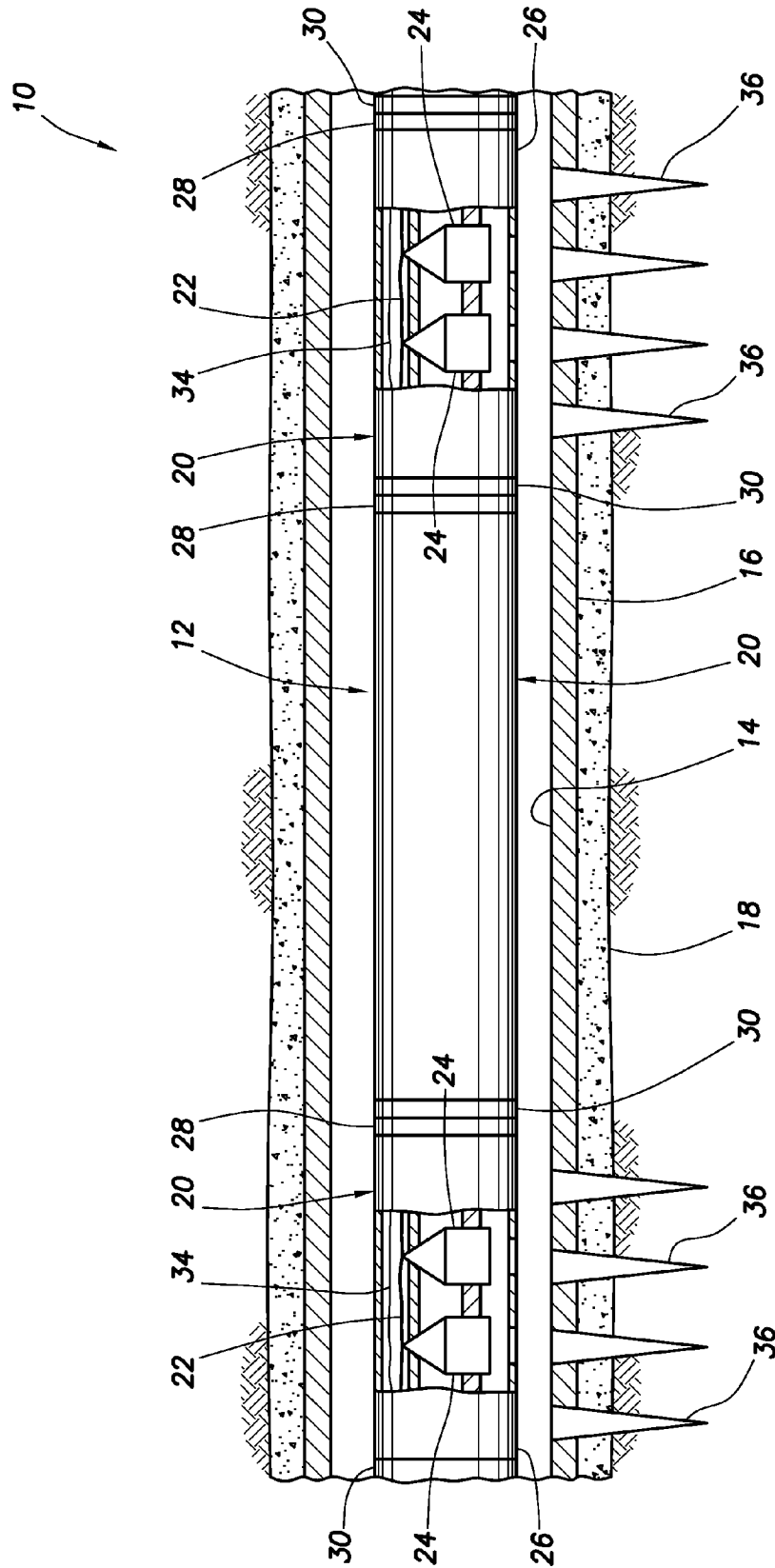


FIG. 1

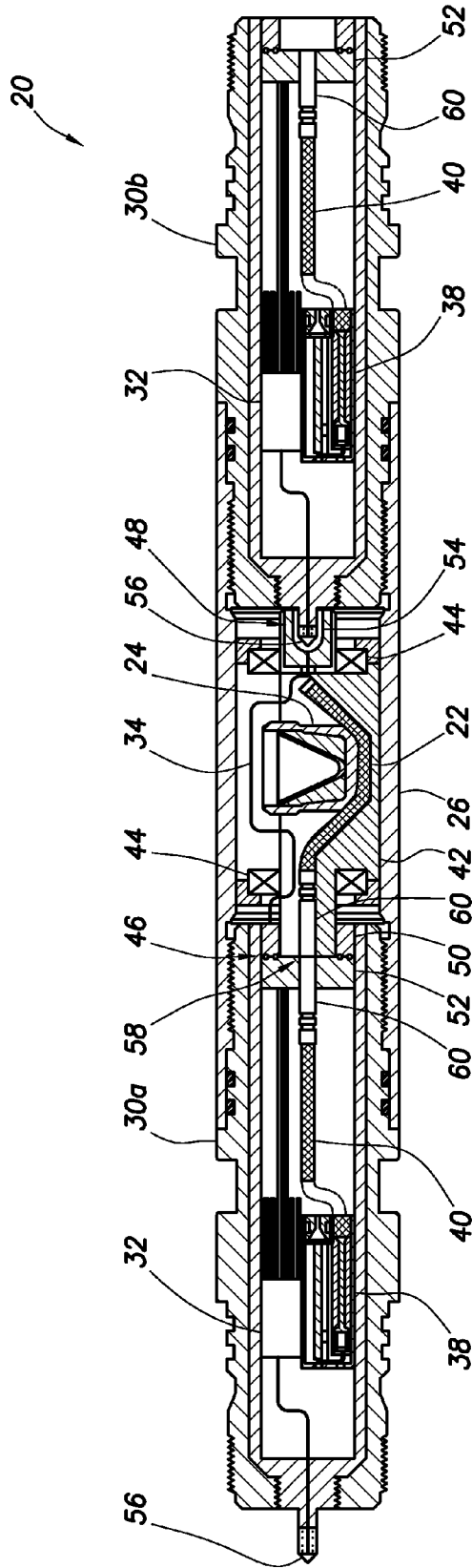


FIG.2

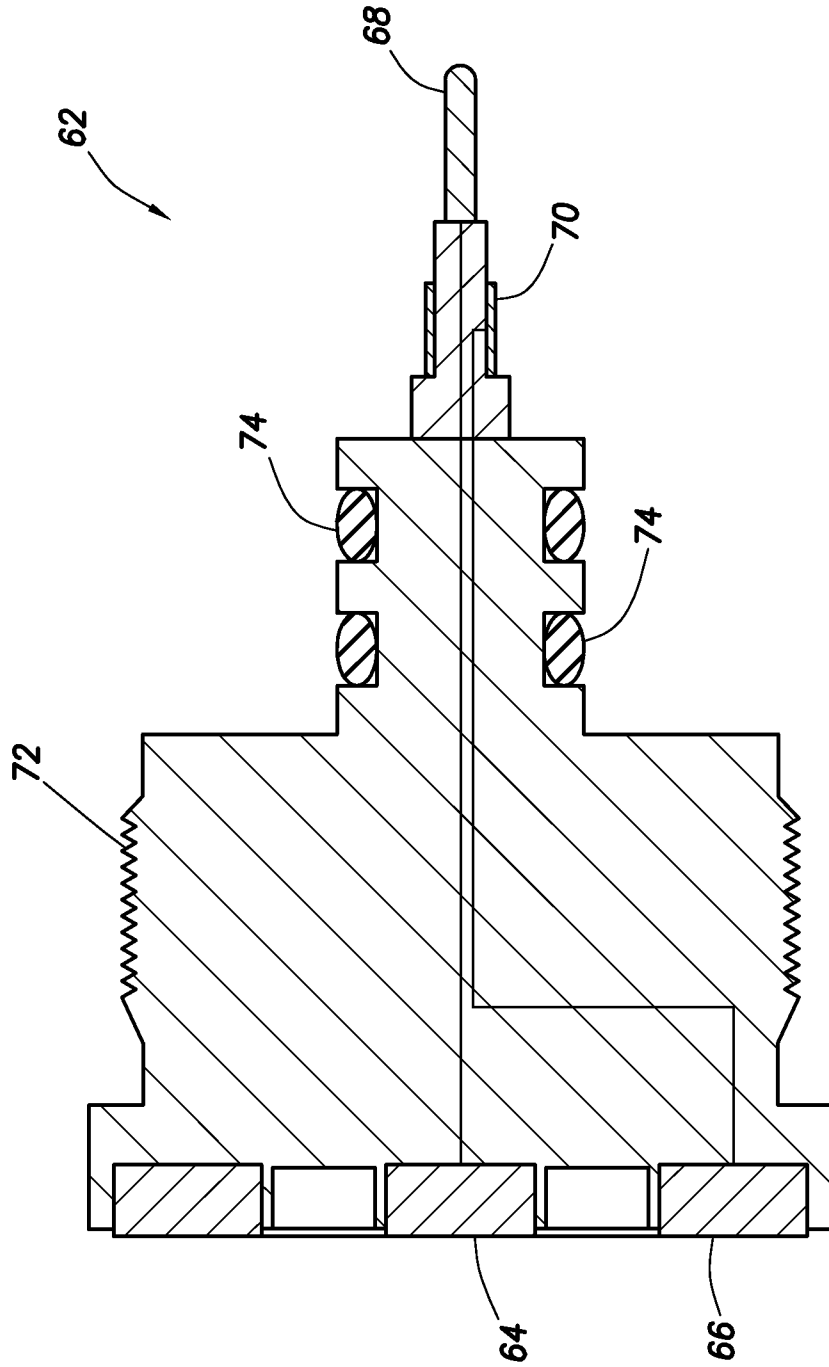


FIG. 3

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