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(56) Documents Cited:

US 20100113208 A1 US 20050004338 A1

US5180016A US4260017A US3878889A

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INT CL **B23P**, **E21B**, **F16H** 

- (54) Title of the Invention: Reinforced shear components and methods of using same Abstract Title: Reinforced shear components and methods of using same
- (57) A shear component for releasably securing a first component to a second component, the shear component comprising a body having a first end, a second end, an outer wall surface, an inner wall surface defining a cavity, a shear plane, and a core disposed within the cavity and in sliding engagement with the inner wall surface of the body. The core comprises a first position in which the core is disposed in alignment with the shear plane, and a second position in which the core is disposed out of alignment with the shear plane. The shear component can be included in a downhole tool to maintain the downhole tool in the run-in or initial position until being compromised by a stimulus.

