TITLE OF THE INVENTION

[0001] Blowout Preventer With Asymmetric And Stress Concentrating Shearing Blades

CROSS REFERENCE TO RELATED APPLICATIONS

[0002] This application claims priority to U.S. Non-Provisional Application No. 13/209,072 filed on August 12, 2011, which claims the benefit of U.S. Provisional Application No. 61/475,533, filed on April 14, 2011, and the benefit of U.S. Provisional Application No. 61/374,258, filed on August 17, 2010.

~~STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT~~

[0003] ~~Not applicable.~~

~~REFERENCE TO APPENDIX~~

[0004] ~~Not applicable.~~

BACKGROUND OF THE INVENTION

[0005] Field of the Invention.

[0006] The disclosure generally relates oil field equipment. More particularly, the disclosure relates to the blowout preventers.

[0007] Description of the Related Art.

[0008] In gas and oil wells, it is sometimes necessary to shear a tubular member disposed therein and seal the wellbore to prevent an explosion or other mishap from subsurface pressures. Typically, the oil field equipment performing such a function is known as a blowout preventer ("BOP"). A BOP has a body that typically is mounted above a well as equipment in a BOP stack.

[0009] A typical BOP has a body with a through-bore through which a drill pipe or other tubular member can extend. A pair of rams extend at some non-parallel angle (generally perpendicular) to the through-bore from opposite sides of the bore. The rams are able to move axially within guideways at the non-parallel angle to the bore. A pair of actuators connected to the body at the outer ends of the rams cause the rams to move along the guideway, and close around or shear the drill pipe disposed therebetween. Different types of blades can be coupled with the rams depending on the style of the blowout preventer, and