

19 Abstract VALVE AND METHOD OF OPERATING A VALVE 5A valve typically
used in an oil or gas well, having a moveable member such as a ball
movable between open and closed configurations and having a cutting
device arranged to shear against an anvil member when the ball is
moving between the open and closed configurations; and having a
sealing member providing a seat for Abstract
when the moveable member is in the closed 10 configuration. The
anvil member and the sealing member are moveable relative to one
another when the moveable member is moving from the open to the
closed configuration, so that during opening and closing the sealing
member is displaced away from the cutting device (typically the inner
surface of the bore) as the cutting device engages the anvil member.
5 A valve typically used in an oil or gas well, having a moveable member such as a ball
The sealing member is pushed away from the 15 moveable member and
the anvil to a maximum separation from the movable member at the
point on the stroke when the cutting surface of the moveable member
is moving past the anvil member, so that the sealing member is moved
out of contact with the ball when the cutting surface engages the
open and closed configurations; and having a sealing member providing a seat for
anvil member, and moves back into contact with the ball when the
cutting surface has passed the anvil member when the moveable member is in the closed
10 configuration. The anvil member and the sealing member are moveable relative to

one another when the moveable member is moving from the open to the closed
configuration, so that during opening and closing the sealing member is displaced
away from the cutting device (typically the inner surface of the bore) as the cutting
device engages the anvil member. The sealing member is pushed away from the
15 moveable member and the anvil to a maximum separation from the movable
member at the point on the stroke when the cutting surface of the moveable
member is moving past the anvil member, so that the sealing member is moved out
of contact with the ball when the cutting surface engages the anvil member, and
moves back into contact with the ball when the cutting surface has passed the anvil
20 member and the sealing surface of the ball is aligned with the sealing member.

Fig. 7