

ABSTRACT

**A BOROSCOPE AND A METHOD OF LASER PROCESSING A COMPONENT
WITHIN AN ASSEMBLED APPARATUS USING A BOROSCOPE**

5 A boroscope (60) comprises a working head (68) having a first end (70) and a second
end (72). A first optical fibre (74) extends through the boroscope (60) to a position
between the first end (70) and the second end (72) of the working head (68). A second
optical fibre (76) extends through the boroscope (60) to the second end (72) of the
working head (68). A laser optical fibre (78) extends through the boroscope (60). At
10 least one lens (80) is arranged between the first end (70) and the second end (72) of
the working head (68) and a mirror (82) is gimbaled (84) to the second end (72) of the
working head (68). The laser optical fibre (78) directs laser light transmitted through the
laser optical fibre (78) onto the lens (80) and then onto the mirror (82). A first LED (86)
is arranged at a position between the first end (70) and the second end (72) of the
15 working head (68) and a second LED (88) is arranged at the second end (72) of the
working head (68) and an actuator devices (90, 92) adjust the position of the mirror
(82).

(Figure 3)