# It can be determined that …

From a comparison between Fig. 1(a) and Fig. 1(b), it can be determined that the side polishing process has a great influence on the light transmission within the SPMMF.

# … have been resolved

As the F-P spectrum and FBG spectrum response independently to each other, the temperature cross-sensitivity problem has been resolved.

# … be estimated to be …

The sensitivity of this sensor was estimated to be 0.10 nm/%RH with negligible hysteresis (o1% RH).

# … be proposed and experimentally demonstrated.

A humidity sensor based on Fabry–Perot interferometer (FPI) and intracavity sensing of a fiber ring laser is proposed and experimentally demonstrated.

# … have a great potential in …

The proposed sensor has a great potential in high-capacity sensor network and remote detections.

# … have a good linear response to …

The experiment shows that the relative output power of the fiber laser has a good linear response to ambient humidity in a wide range from 25%RH to 95%RH.