

PLASMA LIGHT SOURCE AND PLASMA LIGHT GENERATION METHOD

ABSTRACT

A plasma light source includes a pair of coaxial
5 electrodes 10 facing each other, a radiation environment
sustaining device 20 that supplies a plasma medium into the
insides of the coaxial electrodes and holds the coaxial
electrodes at a temperature and a pressure suitable for
plasma generation, and a voltage application device 30 that
10 applies a discharge voltage of an inverted polarity to each
of the coaxial electrodes. Tubular discharge 4 is formed
between the pair of coaxial electrodes and plasma 3 is
confined in an axial direction of the coaxial electrodes.

15 FIGURE 1