

CATHODE MODULE

ABSTRACT OF THE INVENTION

A cathode module suitable for an ion source of an ion implanter is provided.

5 The ion source includes a chamber and a supporting body. The chamber is fixed on the supporting body and has a through hole. The cathode module includes a cathode, a filament, a filament mounting element and a clasper. The cathode has a containing cavity. One end of the cathode is passed through the chamber via the through hole, and another end of the cathode is at outside of the chamber. The filament for heating
10 the cathode is disposed in the containing cavity of cathode. The filament is mounted by the filament mounting element. The clasper has a supporting part and two clamping parts. The supporting part and the two clamping parts constitute a Y-like shape with a containing opening. Another end of the cathode is disposed in the containing opening and held by the two clamping parts.

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Figure 2