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RF ion source of Hydrogen ions,

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RF ion source of Hydrogen ions with energy 30 keV and current up to 100 mA is described.
AlN discharge chamber is water-cooled. A multiaperture 4 electrode extraction system is used for ion beam formation. RF discharge is supported by current in the antenna with a frequency 13.56 MHz.
A longitudinal magnetic field is used for increase the current density of emitted ions.

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