

COOLING A TARGET USING ELECTRONS

ABSTRACT

In an embodiment, a method includes, impinging a plurality of particles on a target such that electrons are emitted from the target and transporting the
5 electrons from the target to a heat sink through a transporting medium. The target and the heat sink may be separated by a distance. The method further includes cooling the electrons using the heat sink and returning the electrons from the heat sink to the target.

10

Fig. 1