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BSCCO geometrical and soldering optimisation for high current lead application

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In a big amount of superconductive applications it is necessary to introduce an high temperature superconductivity stage, in order to realize the current lead.

In particular, in the superconductivity industrial applications, it is also necessary to find the best compromise between the cost and the technical performance.

This paper presents the result of a geometrical and soldering techniques optimisation in order to built an high current superconductive lead minimizing the amount of the expansive materials and avoiding the use of the helium gas.

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