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## Design and tests of a new kind superconducting motor

In this paper an original topology of a superconducting motor is presented. The motor is based on the magnetic flux concentration principle when both superconducting wire and bulk are used. The superconducting wire creates a high homogeneous flux density when the superconducting bulk concentrates this flux density. The obtained flux density is variable in the air-gap of the motor. The inductor is stationary when the armature rotates to allow a stationary cryostat. All the inductor is immersed in liquid Nitrogen.

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