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(54) **ELECTRICAL CURRENT GENERATION BY  
MAGNETIC FIELD MANIPULATION VIA  
THE MEISSNER EFFECT**

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(57) **ABSTRACT**

A superconductor producing the Meisner Effect will expel a magnetic field when passing near a magnetic surface. The movement of the magnetic field expelled by the superconductor will produce an electrical current in an electrically conductive coil that is adjacent to the superconductor while it expels the magnetic field due to the Meisner effect.

