

Method for refining molten metals by filtration involves repeatedly passing a current-carrying stream of molten metal through a filter under the action of an electromagnetic force generated outside the filter by the interaction of electric current variables with a variable external magnetic field. Wherein, the filter is positioned in intersecting electric and magnetic fields within a section of the metal flow path through which the melt flows under the action of electromagnetic forces generated in this section and simultaneously in another section of this metal flow path located outside the filter.