

ABSTRACT

TITLE OF INVENTION: NOISE REDUCING ELEMENT AND ELECTRICAL CIRCUIT HAVING THE SAME

Disclosed are a noise eliminating element having a junction of components of two kinds of electroconductive materials, characterized in that the absolute values of the thermoelectric power of the two kinds of materials is $50\mu\text{VK}^{-1}$ or higher and there is substantially no rectifying action at the junction. Both the Seebeck effect and the Paltier effect occur simultaneous and create a transient phenomena in one element. Because of the transient phenomena in one element and because of the transient phenomenon based on both effects, noises, particularly the standing wave noises generated at around output current near to zero are eliminated. The noise eliminating elements can be inserted in a magnetic circuit of a speaker circuit for acoustic equipment or in a diflecting coil circuit of an electron image display device.

Figure 2(a) should accompany the abstract when published.