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(54) **METHOD OF IMPEDANCE MATCHING,  
ELECTRONIC DEVICE AND  
COMPUTER-READABLE RECORDING  
MEDIUM**

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(57) **ABSTRACT**

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A method of designing an impedance matching circuit for an input circuit is provided. The method includes receiving a user input identifying a section of the input circuit for matching an impedance to generate a characteristic impedance value; dividing the section into a first portion and a second portion; determining a first partial matching circuit of the first portion and a second partial matching circuit of the second portion using component information about electrical components connected to the section and the generated characteristic impedance value; and combining the first partial matching circuit and the second partial matching circuit to generate an ideal matching circuit.

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