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*The Director*

*of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.*

*Therefore, this United States*

*Patent*

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DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



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(12) **United States Patent**  
Sasank et al.

(54) **DEVICE USED TO REDUCE  
ELECTROMAGNETIC RADIATIONS**

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(2013.01); **H01Q 1/243** (2013.01); **H01Q 1/48**  
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**H05K 9/0064** (2013.01); **H05K 9/0081**  
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See application file for complete search history.

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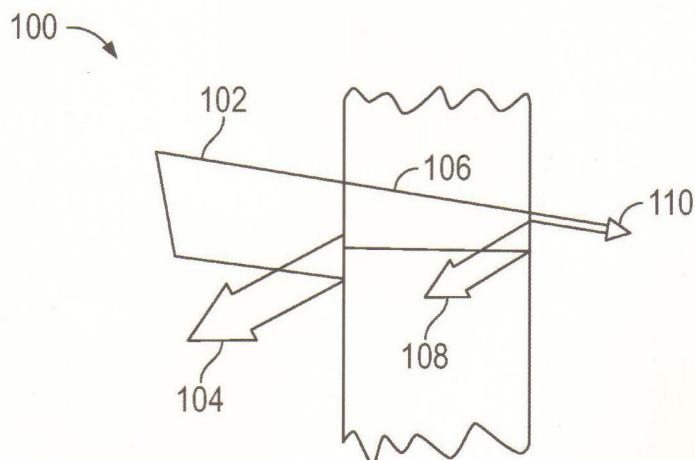
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(57) **ABSTRACT**

Exemplary embodiments of the present subject matter is directed towards a device used to reduce electromagnetic radiations comprising a electromagnetic resistance sheet including a first layer and a third layer positioned at front and rear portions of the electromagnetic resistance metallic sheet configured to convert received excess radio frequency radiations of electronic signals to electromagnetic field signals and ground the converted electromagnetic field; and cloud signals for avoiding the transmission of radiations into the human body and environment. The first layer and the third layer coated with plurality of chemical elements. The electromagnetic resistance sheet also includes a second layer positioned between the first layer and the third layer coated with plurality of metallic elements to provide anti corrosion of the electromagnetic resistance sheet in the transmission of radiations.

**10 Claims, 3 Drawing Sheets**



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