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**Lee**

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(54) **THIN FILM RESISTOR**

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(58) **Field of Classification Search**  
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See application file for complete search history.

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(57) **ABSTRACT**

A thin film resistor includes 38-60 at.% of nickel, 10-25 at.% of chromium, 3-10 at.% of manganese, 4-18 at.% of yttrium, and 1-36 at.% of dysprosium. The thin film resistor can greatly increase the resistivity with a low temperature coefficient of resistance to broaden the applications of the thin film resistor.

**10 Claims, 4 Drawing Sheets**

