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Itamura et al.

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(54) **MONOLITHIC CERAMIC CAPACITOR**

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(51) **Int. Cl.**

H01G 4/228 (2006.01)
H01G 4/005 (2006.01)

(57) **ABSTRACT**

(52) **U.S. Cl.** 361/309; 361/306.3; 361/303

(58) **Field of Classification Search** ... 361/306.1–306.3,
361/311, 303

In an LW-reverse-type monolithic ceramic capacitor including external terminal electrodes each including a resistance component, internal electrodes include nickel or a nickel alloy, and the external terminal electrodes each include a first layer, a second layer provided on the first layer, and a third layer provided on the second layer. The first layer has a wrap-around portion extending from an end surface to principal surfaces and side surfaces of a capacitor main body, and contains a glass component and a compound oxide that reacts with Ni or the Ni alloy. The second layer covers the first layer such that the edge of the wrap-around portion of the first layer remains exposed, and contains a metal. The third layer covers the edge of the wrap-around portion of the first layer and the second layer, and is formed by plating.

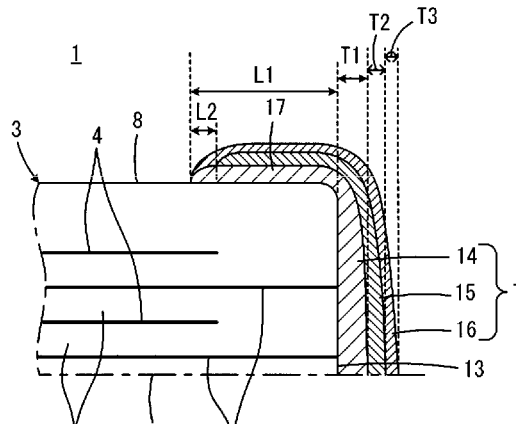
See application file for complete search history.

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8 Claims, 4 Drawing Sheets



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FIG. 1

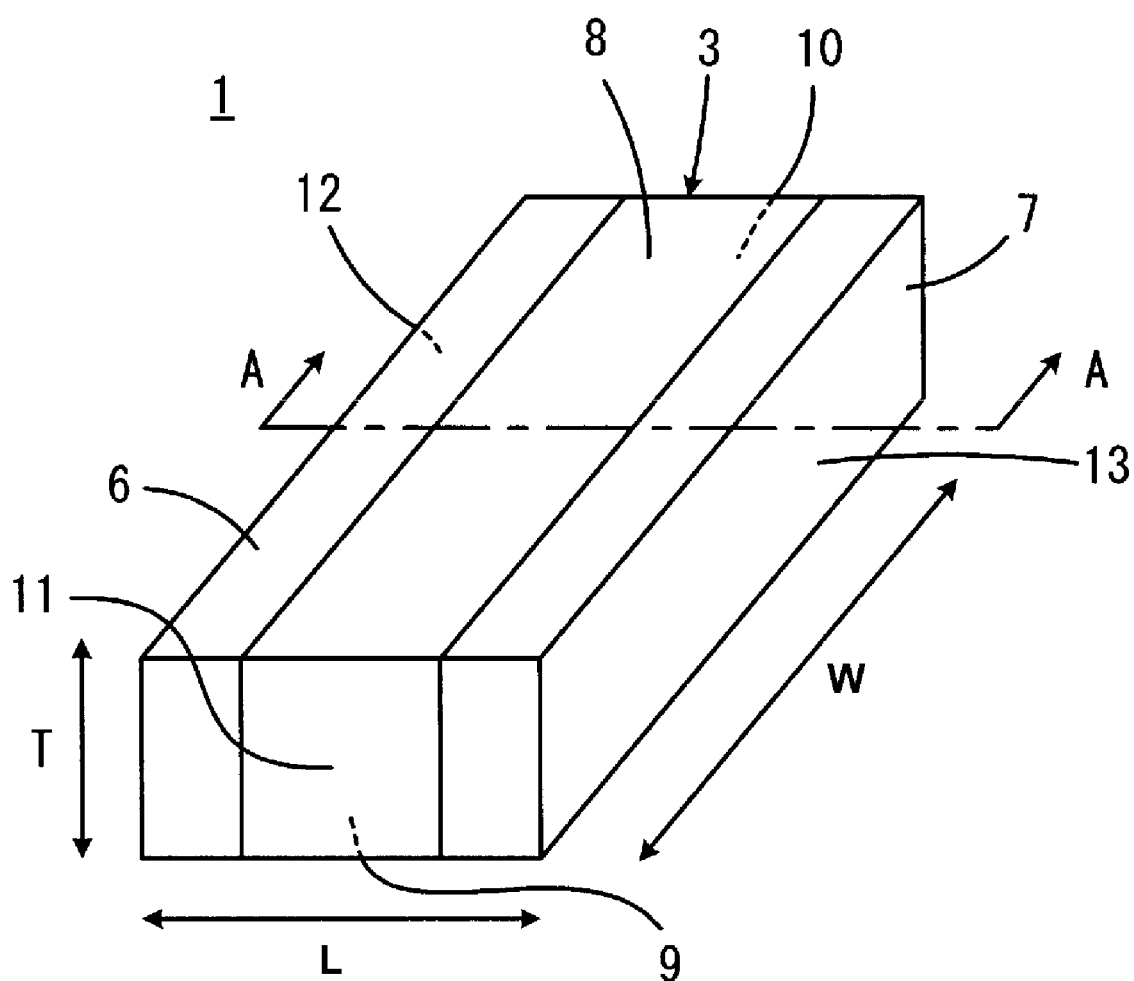


FIG. 2

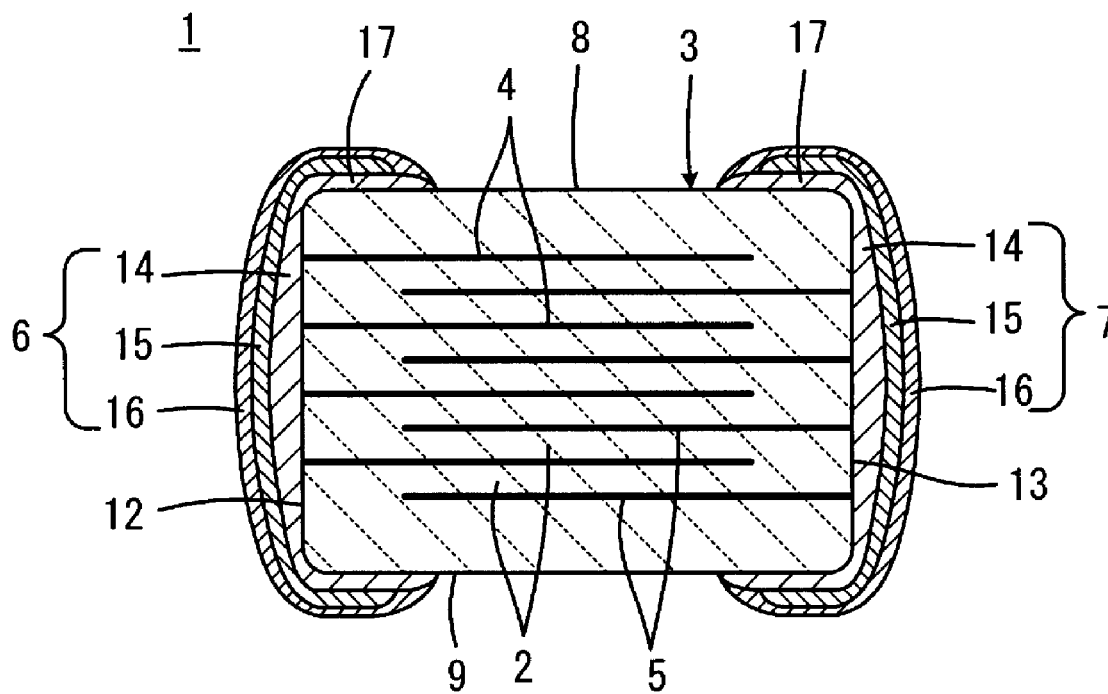


FIG. 3A

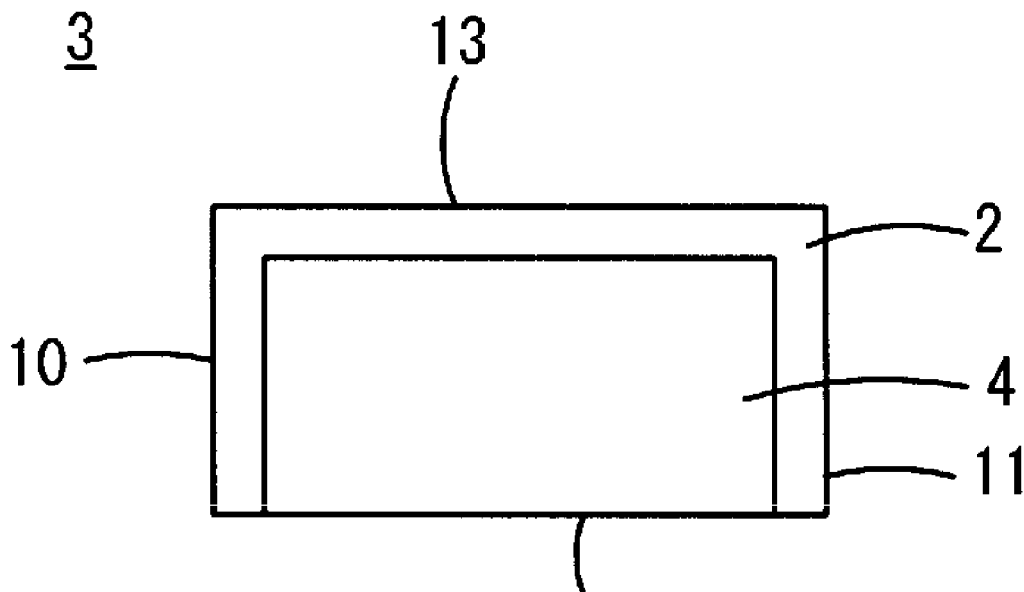
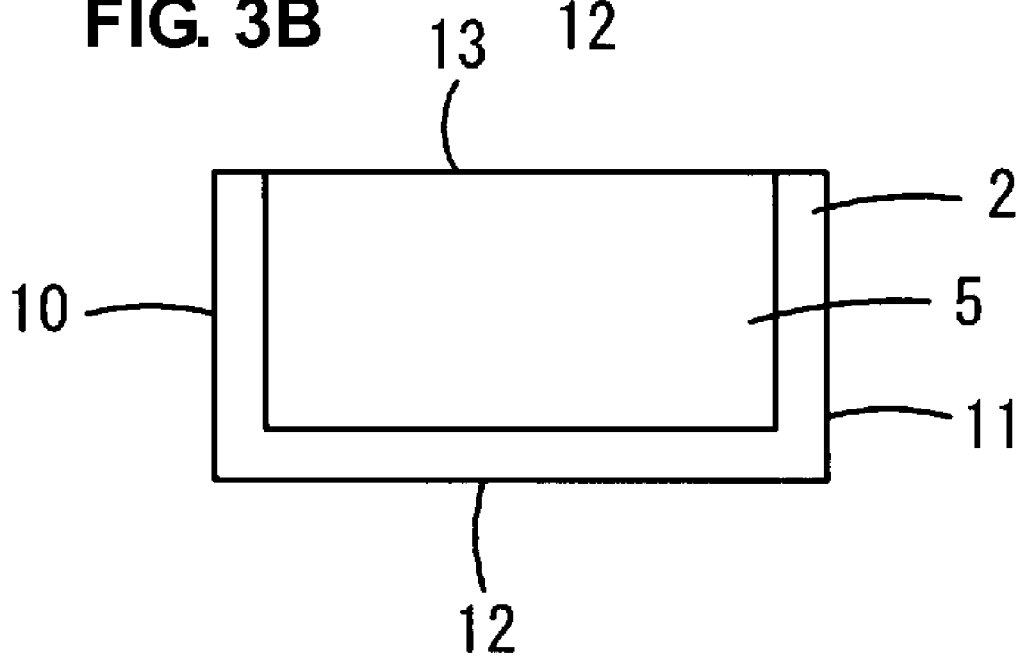


FIG. 3B



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