

Title (en)  
CERAMIC MATERIAL FOR CAPACITOR

Title (de)  
KERAMIKMATERIAL FÜR KONDENSATOR

Title (fr)  
MATÉRIAU CÉRAMIQUE POUR CONDENSATEUR

Publication  
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Application  
**EP 21734144 A 20210622**

Priority  
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Abstract (en)  
[origin: WO2022012880A1] The present invention relates to a ceramic material for a capacitor in multi-layer technology. The ceramic material has a composition according to the following general formula:  $\text{Pb}(\text{y}-1,5\text{a}-0,5\text{b}+\text{c}+0,5\text{d}-0,5\text{e}-\text{f})\text{CaaAb}(\text{Zr}1-\text{xTix})(1-\text{c}-\text{d}-\text{e}-\text{f})\text{EcFedNbeWfO}3$ , where A is one or more from the group Na, K and Ag; E is one or more from the group Cu, Ni, Hf, Si and Mn; and  $0 < \text{a} < 0.14$ ,  $0.05 \leq \text{x} \leq 0.3$ ,  $0 \leq \text{b} \leq 0.12$ ,  $0 < \text{c} \leq 0.12$ ,  $0 \leq \text{d} \leq 0.12$ ,  $0 \leq \text{e} \leq 0.12$ ,  $0 \leq \text{f} \leq 0.12$ ,  $0.9 \leq \text{y} \leq 1.5$  and  $0.001 < \text{b}+\text{c}+\text{d}+\text{e}+\text{f}$ . The invention also relates to a capacitor comprising the described ceramic material.

IPC 8 full level  
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See references of WO 2022012880A1

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