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(54) Title: FLUORINE RESISTANT COMPOSITIONS

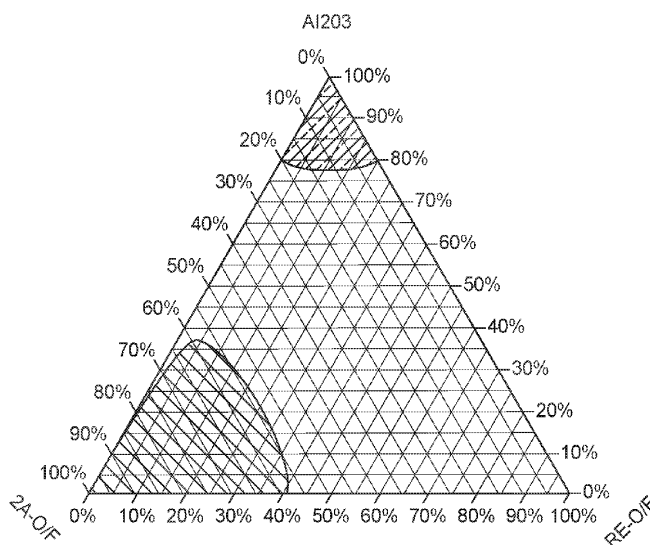


FIG. 2

(57) Abstract: The present disclosure generally provides a fluorine resistant ceramic composition. The fluorine resistant ceramic composition includes about 80 mol% to about 99.9 mol% of a first metal composition including an aluminum based composition selected from the group consisting of a nitride, oxynitride, oxide, and oxy-fluoride. The fluorine resistant ceramic composition includes about 0.1 mol% to about 20 mol% of a second metal composition including an alkaline-earth metal based composition selected from the group consisting of a nitride, oxynitride, oxide, oxy-fluoride, and fluoride.

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