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(54) Title: FLUID CONTACT PROCESS, COATED ARTICLE, AND COATING PROCESS

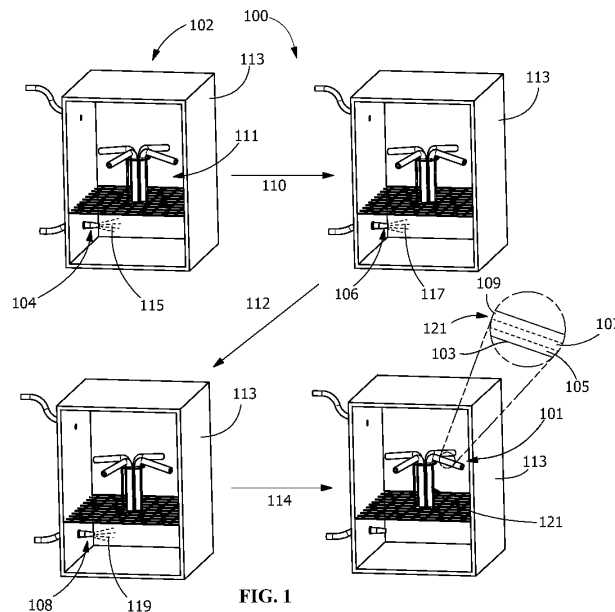


FIG. 1

(57) Abstract: Fluid contact process, coated article, and coating processes are disclosed. The fluid contact process includes flowing a corrosive fluid to contact a coated article. The coated article includes an aluminum-containing substrate, a first region on the aluminum-containing substrate, the first region comprising carbon and silicon, a second region distal from the aluminum-containing substrate in comparison to the first region, the second region having oxygen at a greater concentration, by weight, than the first region, a third region distal from the first region in comparison to the second region, the third region comprising amorphous silicon. The coating process includes positioning the aluminum-containing substrate within an enclosed chamber, then, thermally decomposing dimethylsilane-and-silane-containing mixture within the enclosed chamber, then thermally oxidizing, and then, thermally decomposing silane.

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