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(54) Title: FLUID SYSTEMS FOR EXPANDING SHAPE MEMORY POLYMERS AND REMOVING WATER-BASED FILTER CAKES

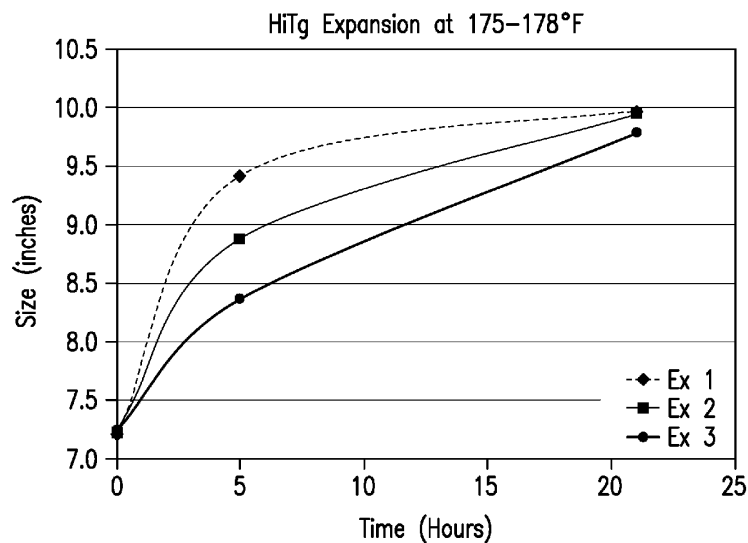


FIG. 4

(57) Abstract: A method includes disposing a device into a borehole in proximity to a subterranean formation where a filter cake has been formed adjacent thereto, the device comprising a support structure and a shape-memory article disposed at the support structure, the shapememory article comprising a shape-memory polymer, wherein the device is disposed when the shape-memory article is in a compacted shape; exposing the shape-memory article to a fluid system to cause the shape-memory article to expand and conform to a surface of the borehole; exposing the filter cake to the fluid system; and removing the filter cake with the fluid system. The fluid system comprises a chelating agent, an activator, a non-emulsifier, and water or a brine.

[Continued on next page]

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