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(54) Title: ETCHING SOLUTION FOR SIMULTANEOUSLY REMOVING SILICON AND SILICON-GERMANIUM ALLOY FROM A SILICON-GERMANIUM/SILICON STACK DURING MANUFACTURE OF A SEMICONDUCTOR DEVICE

(57) Abstract: Described herein is an etching solution suitable for the simultaneous removal of silicon and silicon-germanium from a microelectronic device, which comprises: water; an oxidizer; a buffer composition comprising an amine compound (or ammonium compound) and a polyfunctional organic acid; a water-miscible solvent; and a fluoride ion source.

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