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(54) Title: IMPROVED DEPOSITION OF HIGH QUALITY METAL OXIDE AND METAL NITRIDE LAYERS

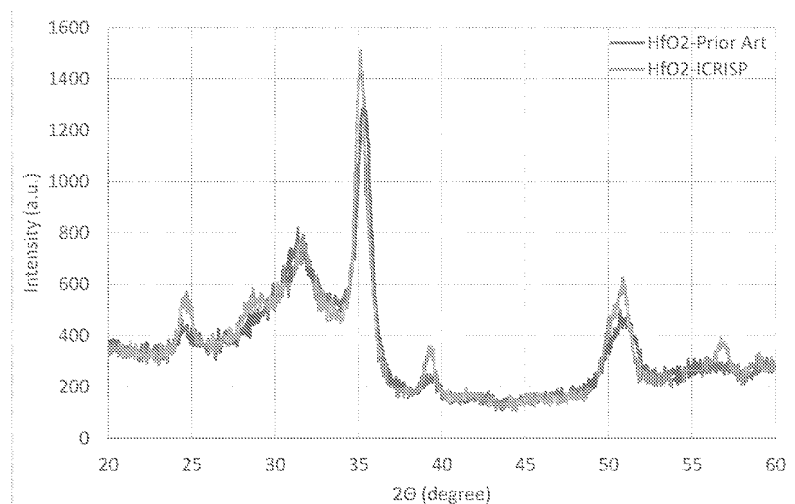


Fig. 1

(57) Abstract: An Intermittent Catalyzed Reaction Induced Surface Process (ICRISP) produces a metal oxide or metal nitride film or metal-oxy-nitride film. In this process, the metal-containing precursor is intermittently dosed with a nitrogen-containing or sulfur-containing compound. Apparatus suitable for the process is described.

[Continued on next page]

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