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(54) Title: HIGH STRENGTH CORROSION RESISTANT HIGH VELOCITY OXY FUEL (HVOF) COATING FOR DOWN-HOLE TOOLS

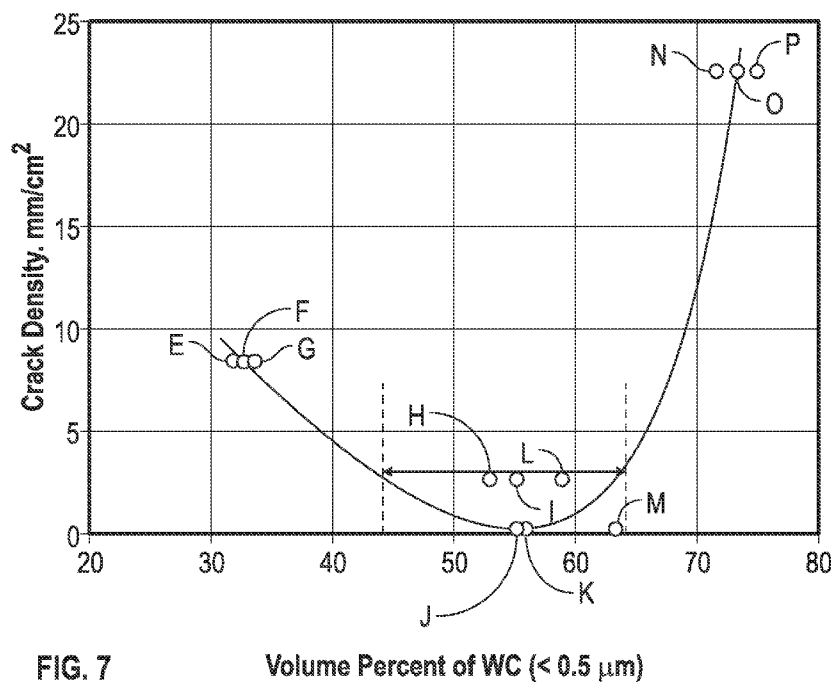


FIG. 7

Volume Percent of WC (< 0.5 µm)

(57) Abstract: A downhole tool comprises a body made of a metal or metal alloy. In addition, the downhole tool comprises a coating disposed on the body. The coating includes at least 75 vol % tungsten carbide having an average grain size less than 1.0 µm. The content of tungsten carbide in the coating with a grain size less than 0.5 µm is between 40 and 64 vol % of the coating.