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(54) Title: THE FORMATION OF CATALYST PT NANODOTS BY PULSED/SEQUENTIAL CVD OR ATOMIC LAYER DEPOSITION

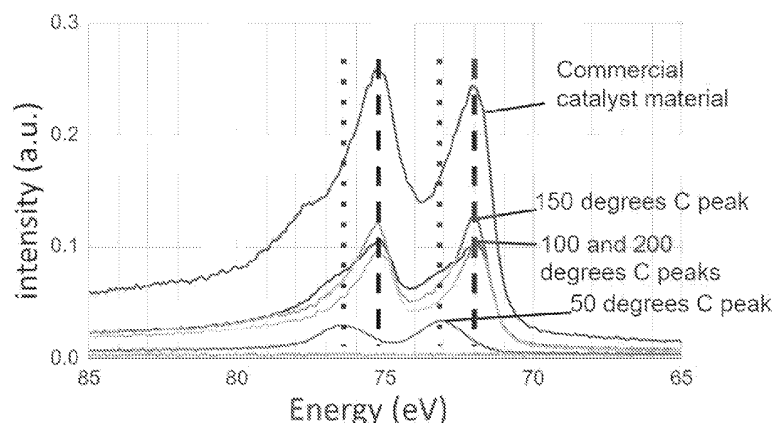


FIG 4

(57) Abstract: The disclosure describes a method of depositing a plurality of Pt metal containing nanodots on a catalyst carbon support structure by forming a vapor of Pt(PF₃)₄, exposing a surface of the catalyst support to the vapor of Pt(PF₃)₄, purging the surface of the catalyst support with a purge gas to remove the vapor of Pt(PF₃)₄, exposing the surface of the catalyst support to a second reactant in gaseous form, purging the surface of the catalyst support with a purge gas to remove the second reactant, and repeating these steps to form a plurality of the Pt metal containing nanodots.

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