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(54) Title of the Invention: **Engine exhaust catalysts containing palladium-gold**
Abstract Title: **Engine exhaust catalysts containing palladium-gold**

(57) An engine exhaust catalyst comprises a substrate 210 and a coating 220 on the substrate that includes platinum, palladium and gold nanoparticles. Preferably the coating comprises a first supported catalyst which may be a platinum catalyst, a platinum-palladium catalyst, or a platinum catalyst promoted with bismuth; and a second supported catalyst preferably has a palladium to gold weight ratio of about 0.85:1.0. A method for preparing an engine exhaust catalyst is also provided which comprises mixing the first and second supported catalysts in a solvent to form a slurry and coating the substrate with the slurry.

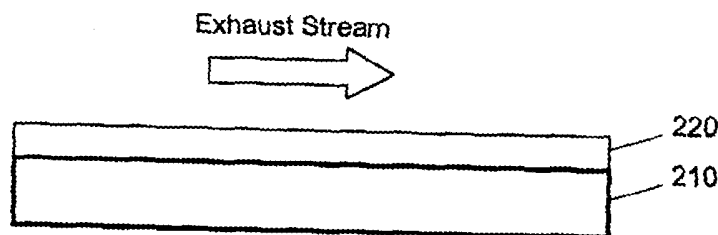


FIG. 3A

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