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(54) **PALLADIUM CATALYZED  
HYDROGENATION OF BIO-OILS AND  
ORGANIC COMPOUNDS**

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**C07C 37/00** (2006.01)

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See application file for complete search history.

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(57) **ABSTRACT**

The invention provides palladium-catalyzed hydrogenations of bio-oils and certain organic compounds. Experimental results have shown unexpected and superior results for palladium-catalyzed hydrogenations of organic compounds typically found in bio-oils.

**15 Claims, 24 Drawing Sheets**