

Title (en)

METHOD FOR REDUCING EMISSIONS FROM A GASOLINE ENGINE EQUIPPED WITH A THREE-WAY CATALYTIC CONVERTER

Title (de)

VERFAHREN ZUR VERMINDERUNG VON EMISSIONEN EINES MIT EINEM DREIWEGEKATALYSATOR AUSGERÜSTETEN BENZINMOTORS

Title (fr)

PROCEDE PERMETTANT DE REDUIRE LES EMISSIONS D'UN MOTEUR A ESSENCE EQUIPE D'UN CONVERTISSEUR CATALYTIQUE A TROIS VOIES

Publication

EP 0970165 A1 20000112 (EN)

Application

EP 98908457 A 19980130

Priority

- US 9801728 W 19980130
- US 79229797 A 19970131

Abstract (en)

[origin: WO9833871A1] Gasoline engines equipped with three-way catalysts emit less NOx, hydrocarbons and carbon monoxide when operated on fuels containing a bimetallic catalyst comprising rhodium acetylacetonate and a fuel-soluble platinum compound such as diphenyl cyclooctadiene platinum(II) or platinum acetyl acetonate. The total metals in the additive will be dosed at a concentration of less than about 2 ppm (milligrams of metal to liter of gasoline) based on the amount of gasoline burned in the engine. Preferred dosages will be from about 0.15 to about 1.5 ppm, with a ratio of platinum to rhodium of from about 3:1 to about 15:1.

IPC 1-7

C10L 1/30

IPC 8 full level

C10L 1/14 (2006.01); **C10L 1/18** (2006.01); **C10L 10/02** (2006.01); **C10L 10/06** (2006.01); **C10L 1/16** (2006.01); **C10L 1/30** (2006.01)

CPC (source: EP US)

C10L 1/14 (2013.01 - EP US); **C10L 1/1814** (2013.01 - EP US); **C10L 10/02** (2013.01 - EP US); **C10L 10/06** (2013.01 - EP US); **C10L 1/1608** (2013.01 - EP US); **C10L 1/1616** (2013.01 - EP US); **C10L 1/1824** (2013.01 - EP US); **C10L 1/305** (2013.01 - EP US)

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