

Title (en)  
METHOD FOR REDUCING EMISSIONS FROM HIGH PRESSURE COMMON RAIL FUEL INJECTION DIESEL ENGINES

Title (de)  
VERFAHREN ZUR REDUZIERUNG VON EMISSIONEN VON DIESELMOTOREN MIT HOCHDRUCK-COMMON-RAIL-KRAFTSTOFFEINSPRITZUNG

Title (fr)  
PROCEDE PERMETTANT DE REDUIRE LES EMISSIONS DE MOTEURS DIESEL A INJECTION A GALERIE COMMUNE HAUTE PRESSION

Publication  
**EP 1341996 A4 20120229 (EN)**

Application  
**EP 01985995 A 20011106**

Priority  
• US 0143691 W 20011106  
• US 25244100 P 20001121  
• US 97851001 A 20011016

Abstract (en)  
[origin: WO0242619A2] The emission from high pressure common rail fuel system compressor ignition engines is reduced by using fuel in said engine a diesel fuel characterized as having a sulfur content of about 0.05 wt% or less, a density of about 0.83 or less and a viscosity of about 3 cSt or less at 40 DEG C.

IPC 1-7  
**F02B 1/00**; **F02M 63/02**; **C10L 1/08**

IPC 8 full level  
**F02M 63/00** (2006.01); **C10L 1/08** (2006.01); **C10L 10/08** (2006.01); **C10L 10/12** (2006.01); **C10L 10/14** (2006.01); **C10L 10/16** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)  
**C10L 1/08** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US)

Citation (search report)  
• [X] US 6045120 A 20000404 - TARR YUL J [US], et al  
• [X] R.B. KRIEGER ET AL.: "Diesel Engines One Option to Power Future Personal Transportation Vehicles", 6 August 1997 (1997-08-06), pages 171 - 199, XP002667141, Retrieved from the Internet <URL:http://www.fischer-tropsch.org/DOE/\_conf\_proc/DEER/970799/conf\_970799\_pg171.pdf> [retrieved on 20120116]  
• [A] CHOI C Y ET AL: "An experimental study on the effects of oxygenated fuel blends and multiple injection strategies on DI diesel engine emissions", FUEL, IPC SCIENCE AND TECHNOLOGY PRESS, GUILDFORD, GB, vol. 78, no. 11, 1 September 1999 (1999-09-01), pages 1303 - 1317, XP004286078, ISSN: 0016-2361, DOI: 10.1016/S0016-2361(99)00058-7  
• See references of WO 0242619A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0242619 A2 20020530**; **WO 0242619 A3 20020725**; AU 3646602 A 20020603; CA 2428886 A1 20020530; EP 1341996 A2 20030910; EP 1341996 A4 20120229; JP 2004514746 A 20040520; US 2002151756 A1 20021017

DOCDB simple family (application)  
**US 0143691 W 20011106**; AU 3646602 A 20011106; CA 2428886 A 20011106; EP 01985995 A 20011106; JP 2002544523 A 20011106; US 97851001 A 20011016