

Title (en)
PROCESS FOR REGENERATING SOOT FILTERS OF DIESEL ENGINES

Publication
EP 0405310 A3 19910821 (DE)

Application
EP 90111614 A 19900620

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Abstract (en)
[origin: EP0405310A2] A process for regenerating soot filters of diesel engines is presented. The hot engine exhaust gas is passed over an oxidation catalyst upstream of the soot filter and is then treated with a vaporised readily ignitable fuel. The amount of fuel is adjusted to reach a final adiabatic temperature of 300 - 1000 DEG C.

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CPC (source: EP KR)
F01N 3/0253 (2013.01 - EP); **F01N 3/2882** (2013.01 - EP); **F01N 3/2892** (2013.01 - EP); **F01N 13/0097** (2014.06 - EP); **F02N 3/00** (2013.01 - KR); **F02B 3/06** (2013.01 - EP)

Citation (search report)

- [X] EP 0244798 A1 19871111 - GRACE W R & CO [US]
- [X] EP 0222355 A2 19870520 - CORNELISON RICHARD C
- [X] GB 2134407 A 19840815 - FORD MOTOR CO
- [X] US 4359863 A 19821123 - VIRK KASHMIR S, et al
- [X] GB 2084898 A 19820421 - TEXACO DEVELOPMENT CORP
- [X] US 4359862 A 19821123 - VIRK KASHMIR S, et al
- [X] GB 2064983 A 19810624 - TEXACO DEVELOPMENT CORP
- [A] US 4759918 A 19880726 - HOMEIER EDWIN H [US], et al
- [A] DE 3536315 A1 19870416 - SUEDEDEUTSCHE KUEHLER BEHR [DE]
- [A] EP 0154145 A2 19850911 - DEGUSSA [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 5, no. 183 (M-097) 21 November 1981, & JP-A-56 104112 (NIPPON SOKEN) 19 August 1981,
- [X] PATENT ABSTRACTS OF JAPAN vol. 9, no. 172 (M-397) 17 Juli 1985, & JP-A-60 43113 (MITSUBISHI JIDOSHA KOGYO) 07 März 1985,
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 284 (M-348) 26 Dezember 1984, & JP-A-59 150918 (HITACHI SEISAKUSHO) 29 August 1984,

Cited by
DE102013214948A1; DE102010022940B4; FR2906306A1; DE10118864C2; EP0806553A3; DE102004015545C5; FR2862701A1; FR2787137A1; DE19959955C2; EP0960650A1; EP0864732A1; DE10361220A1; GB2333471A; DE10361220B4; EP0743429A3; EP1158143A3; US6632406B1; EP1336729A1; WO2005093229A2; US9574483B2; US6843813B1; WO2008034982A1; WO0194013A1; US8226914B2; WO03095808A1; WO2005052331A1; US6868668B2; EP1275839A2; EP2129883B1; EP2129883A1

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