

Title (en)  
PROCESS FOR PROTECTING A CATALYTIC CONVERTER FROM OVERHEATING.

Title (de)  
KATALYSATORSCHUTZVERFAHREN.

Title (fr)  
PROCEDE DE PROTECTION D'UN CATALYSEUR.

Publication  
**EP 0511974 B1 19941026**

Application  
**EP 91901691 A 19910117**

Priority  
• DE 4002207 A 19900126  
• DE 9100031 W 19910117

Abstract (en)  
[origin: WO9111601A1] In the process disclosed, a conventional monitoring procedure is used to detect whether a cylinder is misfiring. If this is the case, an attempt is made to interrupt the fuel supply to the cylinder concerned. If this succeeds, the other cylinders are supplied with a lean mixture. If it does not succeed, all the cylinders are operated on rich mixture. The effect of making the mixture lean without interrupting the fuel supply to the cylinder concerned is that, following combustion in the cylinders, no fuel reaches the catalytic converter to burn there in the oxygen aspirated by the misfiring cylinder.

IPC 1-7  
**F02D 41/14**; **F02D 41/22**; **F02P 11/06**

IPC 8 full level  
**F02D 17/02** (2006.01); **F02D 41/00** (2006.01); **F02D 41/04** (2006.01); **F02D 41/14** (2006.01); **F02D 41/22** (2006.01); **F02D 41/36** (2006.01); **F02D 45/00** (2006.01); **F02P 11/06** (2006.01)

CPC (source: EP KR US)  
**F02D 41/0087** (2013.01 - EP US); **F02D 41/14** (2013.01 - KR); **F02D 41/1487** (2013.01 - EP US); **F02D 41/1497** (2013.01 - EP US); **F02D 41/22** (2013.01 - EP US)

Designated contracting state (EPC)  
DE GB

DOCDB simple family (publication)  
**WO 9111601 A1 19910808**; DE 4002207 A1 19910801; DE 59103363 D1 19941201; EP 0511974 A1 19921111; EP 0511974 B1 19941026; JP 3516677 B2 20040405; JP H05504180 A 19930701; KR 0151701 B1 19981001; KR 920703983 A 19921218; US 5249562 A 19931005

DOCDB simple family (application)  
**DE 9100031 W 19910117**; DE 4002207 A 19900126; DE 59103363 T 19910117; EP 91901691 A 19910117; JP 50218891 A 19910117; KR 920701701 A 19920720; US 85462892 A 19920706