

Title (en)

WATER INJECTION IN INTERNAL COMBUSTION ENGINES.

Title (de)

WASSEREINSPRITZUNG IN VERBRENNUNGSMOTOREN.

Title (fr)

INJECTION D'EAU DANS DES MOTEURS A COMBUSTION INTERNE.

Publication

EP 0045791 A4 19820618 (EN)

Application

EP 81900663 A 19801224

Priority

- US 12067880 A 19800211
- US 20041180 A 19801024

Abstract (en)

[origin: WO8102327A1] Water from a special container (98) is drawn into the fuel intake manifold of an internal combustion engine, in response to negative manifold pressure, through an air inlet valve (70) where air and water are mixed in a chamber (72) which is connected between the PCV valve and the manifold.

IPC 1-7

F02D 19/00; **F02M 25/06**

IPC 8 full level

F02M 23/09 (2006.01); **F02M 25/022** (2006.01)

CPC (source: EP)

F02M 23/09 (2013.01); **F02M 25/0225** (2013.01); **F02M 25/0227** (2013.01); **F02M 25/028** (2013.01); **F02M 25/06** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)

- FR 481380 A 19161128 - HARRY WILLIAM STURGEON [US], et al
- DE 621772 C 19351113 - ARTHUR KOELLNER

Designated contracting state (EPC)

AT CH DE FR GB LU NL SE

DOCDB simple family (publication)

WO 8102327 A1 19810820; EP 0045791 A1 19820217; EP 0045791 A4 19820618; ES 499298 A0 19820616; ES 8205945 A1 19820616; IT 1135413 B 19860820; IT 8119655 A0 19810211; JP S57500203 A 19820204

DOCDB simple family (application)

US 8001738 W 19801224; EP 81900663 A 19801224; ES 499298 A 19810210; IT 1965581 A 19810211; JP 50088981 A 19801224