

Title (en)  
HOMOGENIZING FUEL ENHANCEMENT SYSTEM

Title (de)  
HOMOGENISIERENDES KRAFTSTOFFVERSTÄRKUNGSSYSTEM

Title (fr)  
SYSTÈME D'AMÉLIORATION DE L'HOMOGÉNÉISATION DE CARBURANTS

Publication  
**EP 2483542 A4 20141112 (EN)**

Application  
**EP 10821351 A 20101001**

Priority  
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• US 2010051167 W 20101001

Abstract (en)  
[origin: WO2011041705A1] A homogenizing fuel enhancement system involves at least one circulation loop existing outside of the injection system for continuously circulating and maintaining the homogeneity of a multi- fuel mixture apart from any demands by or delivery to the engine's injection system (whether mechanical injection or a common rail), and at least one infusion tube configured within the at least one circulation loop for providing a volumetric expansion wherein the fuel mixture is infused and thereby rendered more homogeneous.

IPC 8 full level  
**B01F 3/04** (2006.01); **F02D 19/08** (2006.01); **F02M 25/00** (2006.01); **F02M 31/20** (2006.01)

CPC (source: EP KR)  
**B01F 23/2323** (2022.01 - EP); **B01F 25/4332** (2022.01 - EP); **B01F 25/4336** (2022.01 - EP); **B01F 25/4338** (2022.01 - EP); **B01F 25/51** (2022.01 - EP KR); **B01F 35/2131** (2022.01 - EP); **F02B 43/00** (2013.01 - KR); **F02D 19/0605** (2013.01 - EP); **F02D 19/0628** (2013.01 - EP); **F02D 19/0634** (2013.01 - EP); **F02D 19/0644** (2013.01 - EP); **F02D 19/0647** (2013.01 - EP); **F02D 19/0665** (2013.01 - EP); **F02D 19/0668** (2013.01 - EP); **F02D 19/0684** (2013.01 - EP KR); **F02D 19/0694** (2013.01 - KR); **F02D 19/081** (2013.01 - EP KR); **F02D 41/0025** (2013.01 - EP); **F02M 31/20** (2013.01 - EP); **F02M 37/00** (2013.01 - KR); **F02M 37/0023** (2013.01 - KR); **B01F 2035/98** (2022.01 - EP); **B01F 2101/503** (2022.01 - EP); **F02D 19/0694** (2013.01 - EP); **F02M 25/00** (2013.01 - EP); **Y02T 10/12** (2013.01 - EP KR); **Y02T 10/30** (2013.01 - EP KR)

Citation (search report)  
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• [XA] WO 2007062217 A2 20070531 - LUND MORTEN A [US]  
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• [A] US 5277166 A 19940111 - FREELAND MARK [US]  
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Designated contracting state (EPC)  
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