

Title (en)  
ENGINE APPARATUS AND METHOD FOR OPERATION

Title (de)  
MOTORVORRICHTUNG UND VERFAHREN ZUM BETRIEB

Title (fr)  
APPAREIL MOTEUR ET PROCÉDÉ DE FONCTIONNEMENT

Publication  
**EP 3973165 A1 20220330 (EN)**

Application  
**EP 20731708 A 20200520**

Priority

- US 201916417764 A 20190521
- US 201962850599 P 20190521
- US 201962850623 P 20190521
- US 201962850678 P 20190521
- US 201962850692 P 20190521
- US 201962850701 P 20190521
- US 2020033714 W 20200520

Abstract (en)  
[origin: WO2020236881A1] An engine apparatus including at least four piston assemblies is provided. Each piston assembly includes a piston attached to a connection member at a first end and a second end. Each piston of the piston assembly defines a first chamber and a second chamber separated by the piston. The first chamber and the second chamber are each defined at the first end and at the second end. Each first chamber of one piston assembly is fluidly connected to the second chamber at a different piston assembly. At least one first chamber at the first end is fluidly connected to a respective second chamber at the second end. At least one first chamber at the second end is fluidly connected to a respective second chamber at the first end. At least one first chamber at one end is fluidly connected to a respective second chamber at the same end.

IPC 8 full level  
**F02G 1/055** (2006.01); **F02G 1/043** (2006.01); **F02G 1/044** (2006.01)

CPC (source: CN EP)  
**F02G 1/0435** (2013.01 - CN EP); **F02G 1/044** (2013.01 - CN EP); **F02G 1/045** (2013.01 - CN); **F02G 2244/50** (2013.01 - CN EP); **F02G 2244/52** (2013.01 - CN EP); **F02G 2244/54** (2013.01 - CN EP)

Citation (search report)  
See references of WO 2020236881A1

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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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