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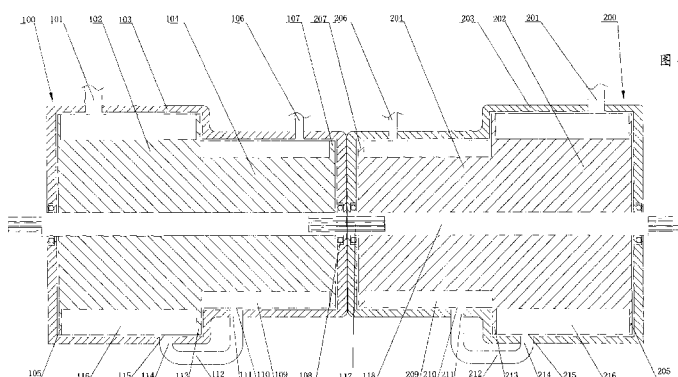
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— 包括国际检索报告(条约第 21 条(3))。

(54) Title: MULTISTAGE COMPRESSED GAS ENGINE AND MOTOR VEHICLE

(54) 发明名称: 多级压缩气体发动机及机动车



(57) Abstract: A multistage compressed gas engine includes impellers and at least one impeller chamber (103) arranged with the impellers. The impellers include a first impeller (104) and a second impeller (102). A plurality of working chambers (109,116) are formed between impeller teeth (115,110) on the circumference surfaces of the first and second impellers (104,102) and side plates (105,107,113) on both sides of the impeller teeth (115,110). A plurality of gas chambers which can seal an injected gas relatively are formed between the inner surface of the impeller chamber (103) and each working chamber (109,116). A first compressed gas injection inlet (106) and a first compressed gas ejection outlet (111) are disposed on the impeller chamber arranged with the first impeller (104), and a second compressed gas injection inlet (114) and a second compressed gas exhaust outlet (101) are disposed on the impeller chamber arranged with the second impeller (102). The first compressed gas ejection outlet (111) is communicated with the second compressed gas injection inlet (114). A motor vehicle arranged with above compressed gas engine is also provided.

(57) 摘要:

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