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(54) RECIRCULATION SEAL FOR USE IN A GAS TURBINE ENGINE

REZIRKULATIONSDICHTUNG ZUR VERWENDUNG IN EINEM GASTURBINENMOTOR

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(56) References cited:

EP-A2- 2 028 375 **EP-A2- 2 075 436**
EP-A2- 2 559 860 **GB-A- 2 464 960**
US-A- 5 104 286 **US-A- 6 161 839**
US-A1- 2007 154 305 **US-A1- 2010 080 692**
US-B1- 6 447 250 **US-B2- 7 530 233**

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