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Note: Bibliography reflects the latest situation

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(54) **Direct injection fuel injector and internal combustion engine mounting the same**

Brennstoffeinspritzventil für Direkteinspritzung und mit dieser Vorrichtung ausgestatteter
Verbrennungsmotor

Injecteur de carburant pour injection directe et moteur à combustion interne équipé d'un tel injecteur

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(56) References cited:
EP-A- 0 310 819 **DE-A- 4 405 921**
US-A- 5 346 137

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