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(54) **COMBUSTION PRESSURE DETECTION DEVICE, AND INTERNAL COMBUSTION ENGINE
EQUIPPED WITH COMBUSTION PRESSURE DETECTION DEVICE**

BRENDRUCKDETEKTOR UND VERBRENNUNGSMOTOR MIT BRENDRUCKDETEKTOR

DISPOSITIF DE DÉTECTION DE LA PRESSION DE COMBUSTION, ET MOTEUR À COMBUSTION
INTERNE ÉQUIPÉ D'UN DISPOSITIF DE DÉTECTION DE LA PRESSION DE COMBUSTION

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(56) References cited:
JP-A- 2005 180 305 JP-A- 2005 180 305
JP-A- 2008 002 809 JP-A- 2009 115 556
JP-A- 2009 203 913 JP-A- 2011 038 946
JP-U- S57 166 147 US-A- 5 900 541
US-A1- 2001 015 402 US-A1- 2009 217 913

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