

Title (en)
MACHINE BODY AND WORKING MACHINE

Title (de)
MASCHINENKÖRPER UND ARBEITSMASCHINE

Title (fr)
CARROSSERIE D'ENGIN ET ENGIN DE CHANTIER

Publication
EP 3022413 A1 20160525 (EN)

Application
EP 14739779 A 20140710

Priority
• JP 2013147917 A 20130716
• EP 2014064850 W 20140710

Abstract (en)
[origin: WO2015007614A1] Provided is a space-saving inexpensive machine which is capable of cooling a part necessary to be cooled of an exhaust gas treatment device. The exhaust gas treatment device (22) includes an injector (29) which injects urea water as a liquid reducing agent supplied through a urea water hose (34) serving as a reducing agent supply pipe from a reducing agent supply source, a NOx sensor (30) which detects a concentration of nitrogen oxide in exhaust gas, and an air duct (35) including an inlet side opening (42) and an outlet side opening (53) that cool at least either one of the urea water in the urea water hose (34), the NOx sensor (30) or the injector (29) with cooling air introduced from outside of the machine room (19). A ventilation opening (26) opened at the outside of the machine room (19) is communicated with the inlet side opening (42) of the air duct (35), and air in the air duct (35) is forcibly exhausted from the outlet side opening(53) of the air duct (35) with the use of negative pressure formed in a circumference of the exhaust gas flow by an ejector (51) arranged in an exhaust pipe passage (24).

IPC 8 full level
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B60K 11/06 (2013.01 - EP US); **B60K 13/04** (2013.01 - EP US); **E02F 9/0866** (2013.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **F01N 11/007** (2013.01 - US); **F01N 13/082** (2013.01 - EP US); **B60Y 2200/412** (2013.01 - EP US); **F01N 2260/022** (2013.01 - EP US); **F01N 2270/02** (2013.01 - EP US); **F01N 2270/08** (2013.01 - EP US); **F01N 2470/30** (2013.01 - EP US); **F01N 2550/02** (2013.01 - US); **F01N 2560/026** (2013.01 - EP US); **F01N 2590/08** (2013.01 - EP US); **F01N 2610/02** (2013.01 - US); **F01N 2610/11** (2013.01 - EP US); **F01N 2610/1453** (2013.01 - US); **F01N 2610/148** (2013.01 - US); **Y02A 50/20** (2017.12 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2015007614A1

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