

Title (en)
ABNORMALITY DETECTION APPARATUS FOR FILTER

Title (de)
FEHLERERKENNUNGSVORRICHTUNG FÜR FILTER

Title (fr)
APPAREIL DE DÉTECTION D'ANOMALIE POUR FILTRE

Publication
EP 3070286 B1 20170531 (EN)

Application
EP 16160185 A 20160314

Priority
JP 2015053754 A 20150317

Abstract (en)
[origin: EP3070286A1] An abnormality detection apparatus comprises a filter, a catalyst adapted to remove NOx with supply of HC, an HC supply unit, a PM sensor and a control unit. The control unit is configured, while particulate matter is made to deposit in the PM sensor in order to determine whether or not the filter has an abnormality, to cause the HC supply unit to supply HC to the catalyst in such a way as to make the quantity of heat generated in the catalyst smaller when the temperature around the PM sensor is higher than a prescribed temperature than when the temperature around the PM sensor is lower than the prescribed temperature, or when the flow speed around the PM sensor is higher than the prescribed flow speed than when the flow speed around the PM sensor lower than the prescribed flow speed.

IPC 8 full level
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CPC (source: EP)
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Cited by
EP3786614A1; CN112516704A

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