

Title (en)

DEVICE AND METHOD FOR USING THE WASTE HEAT OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR NUTZUNG DER ABWÄRME EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF ET PROCÉDÉ D'UTILISATION DE LA CHALEUR PERDUE D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 2710236 A2 20140326 (DE)**

Application

**EP 12718144 A 20120420**

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Abstract (en)

[origin: WO2012156175A2] The invention relates to a method and a device for using the waste heat of an internal combustion engine (2) comprising a thermodynamic working circuit (4) in which a working medium circulates. A pump (6), at least one heat exchanger (8) at least one expansion machine (10) and at least one capacitor (12) are arranged in the direction of flow of the working medium. The mechanical energy generated by the expansion machine (10) is selectively transferred to a drive train (23) and/or at least one other component (25) which can be driven mechanically.

IPC 8 full level

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