

Title (en)
DEVICE FOR DEOILING CRANKCASE VENTILATION GASES IN AN INTERNAL COMBUSTION ENGINE

Title (de)
VORRICHTUNG ZUM ENTÖLEN VON KURBELGEHÄUSE-ENTLÜFTUNGSGASEN EINER BRENNKRAFTMASCHINE

Title (fr)
DISPOSITIF POUR DESHUILER DES GAZ EVACUES DU CARTER DE VILEBREQUIN D'UN MOTEUR A COMBUSTION INTERNE

Publication
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Application
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Abstract (en)
[origin: WO0192690A1] The invention relates to a device for deoiling crankcase ventilation gases in an internal combustion engine. The inventive device comprises at least one oil mist separator (2) with a gas inlet (2A) connected to the crankcase (5), with a gas outlet (2B) connected to the air intake tract (6), and with an oil outlet (2C) connected to the oil sump of the internal combustion engine. A bypass duct (3) is provided between the gas inlet (2A) and the gas outlet (2B), and at least one device (4) opens and closes said bypass duct (3) depending on the differential pressure between the gas inlet (2A) and the gas outlet (2B). The inventive device is further characterized in that the bypass duct (3) and the device (4) for opening and closing are configured in such a manner that, when the bypass duct (3) is open, the bypass duct is deoiled as a result of the redirection of flow and an impact separation.

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Citation (search report)
See references of WO 0192690A1

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DE102012021309A1; DE102018211760A1; DE102016100419A1; DE102016100419B4; DE102010029322A1; DE102010029322B4; WO2007000281A1; DE102018211760B4; DE202005009990U1; DE102019217901A1; DE102012021309B4; WO2005108835A1; US10830112B2; US8042529B2; DE102021200448A1; DE102021200448B4; US11692468B2; WO2017174706A1; DE102019217901B4; US11306633B2; DE102011100239A1; EP3192987A1; WO2011147880A1

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