

Title (en)

DEVICE FOR SCAVENGING THE CYLINDER OF A TWO-STROKE ENGINE, SUPERCHARGING BY THE EFFECT OF POST-FILLING, AND ENGINE RELATED THERETO.

Title (de)

VORRICHTUNG ZUR ZYLINDERSPÜLUNG EINES ZWEITAKTMOTORS MIT SELBSTAUFLADUNG DURCH NACHFÜLLEFFEKT UND MOTOR.

Title (fr)

DISPOSITIF DE BALAYAGE D'UN CYLINDRE D'UN MOTEUR DEUX TEMPS, A AUTOSURALIMENTATION PAR EFFET DE POST-REPLISSAGE, ET MOTEUR.

Publication

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Application

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Priority

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- FR 8900139 W 19890324

Abstract (en)

[origin: WO8909328A1] Process and device for scavenging the cylinder of a two-stroke internal combustion engine, with supercharging by the effect of post-filling. Said device is characterized in that the intake set (12a, 12b; 14a, 14b) is arranged in relation to the cylinder (10) so that the scavenging air flows from the intake ports (12a, 12b) join at an impact point located on the upper wall (10a) of the cylinder (10) above the exhausted ports (16), in order to effect a so-called reverse loop. The altitude (A) of the lower edge of the e exhaust ports (12a, 12b) is arranged sufficiently high in the cylinder (10) in relation to the altitude (B) of the upper edge of the exhaust ports (16) to avoid essentially every possibility of a crossing of air flows entering the cylinder (10) with the burnt gases emerging from the cylinder (10) during passage between the intake point of the scavenging air flows and their point of impact. In this way a substantial improvement in scavenging is obtained, thereby improving engine operation.

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