

Title (en)
TWO-STROKE ENGINE TRANSFER PORTS

Title (de)
ÜBERSTRÖMSCHLITZE VON ZWEITAKTMOTOR

Title (fr)
ORIFICES DE TRANSFERT POUR MOTEUR DEUX TEMPS

Publication
EP 1556594 A4 20100428 (EN)

Application
EP 03774559 A 20031006

Priority

- US 0331470 W 20031006
- US 26493902 A 20021004
- US 45207903 A 20030530

Abstract (en)
[origin: WO2004033869A2] A two-stroke internal combustion engine including a cylinder; and a piston movably mounted in the cylinder. The cylinder includes an exhaust port and transfer ports. The transfer ports include a first pair of the transfer ports disposed closer to the exhaust port than a second pair of the transfer ports which are disposed further away from the exhaust port. The first pair of transfer ports are angled relative to each other at a first angle of about 70° to about 85 ° and the second pair of transfer ports are angled relative to each other at a second angle of about 120° to about 150°. Directional discharge of scavenged air out of the transfer ports 10 establishes a flow path for the scavenged air to minimize losses of the fresh unburned fuel into the exhaust port.

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IPC 8 full level
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Citation (search report)

- [X] WO 9631691 A1 19961010 - ELECTROLUX AB [SE], et al
- [X] DE 4447215 A1 19950824 - DAIHATSU MOTOR CO LTD [JP]
- [X] DE 19707767 A1 19971106 - KIORITZ CORP [JP]
- [X] US 5870981 A 19990216 - KNAUS KONRAD [DE], et al
- [XD] US 6223705 B1 20010501 - SATO SHIGERU [JP], et al
- See references of WO 2004033869A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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