

Title (en)

SCAVENGING SYSTEM FOR A TWO-STROKE INTERNAL COMBUSTION ENGINE

Publication

EP 0396530 B1 19921028 (DE)

Application

EP 90890132 A 19900430

Priority

AT 104889 A 19890502

Abstract (en)

[origin: EP0396530A1] In order to improve the load-related and speed-related control of the scavenging system for a two-stroke internal combustion engine with scavenging ducts (2) opening out into the cylinder (1) and an outlet duct (6), with scavenging slits (7) and outlet slit (8) controlled by the piston (9) of the internal combustion engine, it is proposed that a solenoid-releasable diaphragm valve (11) arranged in one duct section (3) be connected upstream of the scavenging ducts (2) by means of which valve the scavenging flow to the individual scavenging slits (7) can be interrupted within the time it takes the scavenging slits (7) to open, making the scavenging time controllable as a function of the load and speed of rotation of the internal combustion engine. <IMAGE>

IPC 1-7

F02B 25/00

IPC 8 full level

F02B 25/00 (2006.01); **F02B 29/00** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP US)

F02B 25/00 (2013.01 - EP US); **F02B 29/00** (2013.01 - EP US); **F02B 2075/025** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0396530 A1 19901107; **EP 0396530 B1 19921028**; AT 407426 B 20010326; AT A104889 A 20000715; DE 59000393 D1 19921203; ES 2035743 T3 19930416; US 5033419 A 19910723

DOCDB simple family (application)

EP 90890132 A 19900430; AT 104889 A 19890502; DE 59000393 T 19900430; ES 90890132 T 19900430; US 51676590 A 19900430