

BURNING EFFECT BOOSTER FOR AN ENGINE

ABSTRACT OF THE INVENTION

5 A burning effect booster for an engine includes a body (1), a filter device (2), two adjusting screw sets (3) and two vacuum valve sets (4, 5). The vacuum valve sets respectively consists of a nozzle (40, 50), a spring (S), a piston (41, 51) and a threaded tube (42, 52) orderly combined together. Each nozzle has a helical air guide hole (402,502), and one (40) of the
10 nozzles has a larger diameter than the other (50). Then the nozzles are connected to the intake manifold of an engine, and the adjusting screws sets (3) are used to adjust air to flow in an engine, depending on an air intake volume, the compressing rate, and the number of throttles. When the engine starts and produces sucking force, filtered clean air is sucked through the
15 nozzles to flow through the helical guide holes (402, 502) to quickly move as whirlwind so that gas and air can be mixed completely to be vaporized and ignited to burn completely in the engine.

Figure 3