

Abstract

A gas delivery system for gas fuelled internal combustion engines, comprising a gas fuel delivery means (10) for delivering a controlled amount of gaseous fuel to a region adjacent a source of ignition (26). The gas fuel delivery means (10) comprises first and second delivery means (16, 18) for delivering gaseous fuel to a pre-combustion zone (12) and a combustion zone (14) respectively. Gas control means (20, 22) control the relative proportions of gaseous fuel delivered by the first and second delivery means (16, 18) respectively so that combustion in the combustion zone (14) can be achieved with minimum gaseous fuel by initiating ignition of gaseous fuel in the pre-combustion zone (12). Thus, the fuel/air ratio within the combustion zone (14) can be minimise (lean burn regime) without the onset of engine misfire.

This Sheet Has Been Replaced

