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(54) Title: IGNITION BY ELECTROMAGNETIC RADIATION

(57) Abstract

An ignition system (1) comprising fuel atomising means (6) for spraying fuel (10) therefrom for introduction into a combustion chamber (2). An electro–magnetic radiation generator (8) is connected to an emitter (12) which emits electro–magnetic radiation (11). The electro–magnetic radiation (11) irradiates the fuel (10) to cause ionisation and combustion of the fuel (10). A magnetic field may be provided in the combustion chamber to enhance atomic ionisation of the fuel in the combustion chamber.

