

FUEL SYSTEM AND METHOD OF REDUCING EMISSION

ABSTRACT OF THE DISCLOSURE

A fuel system includes a fuel deoxygenator for removing oxygen from a liquid fuel. A vaporizer is in fluid communication with the fuel deoxygenator. The vaporizer vaporizes at least a portion of the liquid fuel to produce vaporized fuel. At
5 least a portion of the vaporized fuel pre-mixes with oxidizer to reduce formation of undesirable emissions.

Figure 1