

Title of Invention: Method And Apparatus For Producing Laser-Activated Carbon

Abstract

5 A method of producing laser-activated carbon is described. The method comprises providing a carbon-based material and exposing the carbon-based material to laser radiation such that the laser radiation excites electrons in the carbon-based material. The excited electrons inducing localised thermal activation reactions, wherein the thermal activation reactions cause structural and/or compositional changes in the carbon-based material to produce laser-activated carbon.

10 Fig. 1B