

ABSTRACTFLUIDISED BED TREATMENT

An apparatus for the treatment of a component using a fluidised bed of powder fluidised by a gas flow has a treatment chamber for receiving at least a treatment part
5 of the component and for containing the fluidised bed. A fluidising gas inlet provides fluidising gas to the treatment chamber and a fluidising gas outlet removes used fluidising gas from the treatment chamber. A powder screen is located between the treatment chamber and the fluidising gas outlet, the powder screen operable
10 substantially to prevent loss of powder from the fluidising bed entrained in the fluidising gas removed from the treatment chamber. The treatment chamber can be small and moveable, and then applied to a part of a component to be treated. Heating of the fluidised bed may be provided by heating of the fluidising gas in a fluidising gas reservoir remote from the treatment chamber.

15 [Fig. 2]