

ABSTRACT

METHOD OF MANUFACTURING A COMPONENT

A method of manufacturing a component. The method includes the steps of heating a working region of a substrate with a heating means; directing a material into the working region to bring the material into a temporary molten state, and depositing said material on the substrate such that when the material solidifies it forms at least part of the component. The heating means power output, stand off, orientation, speed and direction of travel relative to the substrate are adjustable and controlled throughout the material deposition process to control the shape and/or size of the working region to thereby control the distribution and rate of heat delivery to the substrate.

(Fig 11)