

A METHOD OF BUILDING UP AN ALUMINUM ALLOY PART

A B S T R A C T

5 A method of building up an aluminum alloy part (1) by welding, the method comprising the steps of:

- manually depositing a layer of aluminum alloy powder (9) on the part in a build-up zone (5); and
- 10 • welding said powder layer onto said part by laser welding.

Advantageously, a mask (30) having an opening of dimensions corresponding to the dimensions of the build-up zone (5) is positioned on the part (1) and the layer of powder (9) is deposited on the part both in the build-up zone and overlaps onto the mask around the build-up zone. Also advantageously, the height of the powder layer relative to the surface (S) of the part (1) is calibrated prior to the welding step.
(Fig.10)