

MICROPLASMA SPRAY COATING APPARATUS

ABSTRACT

A portable, hand-held microplasma spray coating apparatus comprises an anode, a cathode and an arc gas emitter disposed in a housing, and a powder feeding system, a cooling system and a power source connected to the apparatus. The powder feeding system, cooling system and power source are detachably mounted on a mobile platform. The microplasma spray apparatus can be transported to on-site locations in the field to facilitate quick repair work.

Figure 2