

Title (en)
APPARATUS FOR RECHARGING MACHINE PARTS BY THE PLASMA PROCESS

Publication
EP 0035459 B1 19851211 (FR)

Application
EP 81420026 A 19810302

Priority
FR 8004858 A 19800228

Abstract (en)
[origin: EP0035459A1] 1. A machine for the recharging of mechanical components using the "plasma" method, of the type comprising a torch (4) and a powder distributor (2), with a rotary disc (22) having a vertical axis (23) and a scraper (27) for the supply of the torch (4), the powder being removed towards the periphery of the disc (22) and flowing from there via a conduit (5, 6) to the torch (4), characterised in that the powder distributor comprises at least one gas injector (31) comprising a receiver in the form of a funnel (33) disposed below the periphery of the rotary disc (22) and rising above a diffuser (32) with a lateral gas inlet (37) and gas intake apertures (38), the shape of the diffuser (32) and the arrangement of the intake apertures (38) being such that a gas eddy is created, into which the powder is sprayed, an outlet (40) disposed at the base of the injector (31) under the diffuser (32) being connected, via the conduit (5, 6), to the torch (4).

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