

Title (en)
Method and apparatus for electric arc spraying

Title (de)
Verfahren und Vorrichtung zum Lichtbogenspritzen

Title (fr)
Procédé et appareil de pulvérisation à arc électrique

Publication
EP 1358943 B1 20080730 (DE)

Application
EP 03405214 A 20030331

Priority
• EP 03405214 A 20030331
• EP 02405350 A 20020429

Abstract (en)
[origin: EP1358943A1] Arc spraying uses spray gun (1) with 2 electrically conductive spray wires (2) and first supply device (3) to supply fluid(4), with electrical voltage applied to wires. The wires are fed by wire guide (5), an arc (6) being ignited by the voltage. The wires are converted into melt (8) in melting region (7) and the melt is applied to the fluid to surface (9) of body (10). Particles (11) from storage container (12) are supplied to the melt. An Independent claim is also included for an apparatus for arc spraying comprising the spray gun that includes the wire guide and first supply device.

IPC 8 full level
B05B 7/22 (2006.01); **C23C 4/12** (2006.01)

CPC (source: EP)
B05B 7/224 (2013.01); **B05B 7/226** (2013.01); **C23C 4/131** (2016.01)

Cited by
EP2524973A1; DE102017009230A1; DE102012112488A1; DE102012112488B4; CN103384728A; DE102009026655B3; WO2005014208A1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 1358943 A1 20031105; EP 1358943 B1 20080730

DOCDB simple family (application)
EP 03405214 A 20030331