

Title (en)
Flame spraying apparatus and method

Title (de)
Flammspritzvorrichtung und Verfahren zum thermischen Spritzen

Title (fr)
Dispositif et procédé de pulvérisation thermique par combustion

Publication
EP 0848998 A3 19990317 (DE)

Application
EP 97121412 A 19971205

Priority
DE 19652649 A 19961218

Abstract (en)
[origin: EP0848998A2] A thermal spraying gun comprises a unit which has a flame produced from a liquid or gaseous fuel and an oxidation gas in a combustion chamber, and is accelerated in a constriction tube. The unit has a water-cooled burner incorporating at least three parts, with a combustion chamber (26), a constriction tube (34) and a flame constriction channel (32). The constriction tube is exchangeable, and has at least one sealing unit (40) which can be pressurised via a force accumulator unit (42). Also claimed is a corresponding method, where the flame is produced from a liquid or gaseous fuel in the form of an aliphatic compound such as butane or ethyl alcohol.

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B05B 7/201 (2013.01); **B05B 7/205** (2013.01); **C23C 4/123** (2016.01); **C23C 4/129** (2016.01)

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