

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.

IPC 1-7  
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IPC 8 full level  
**B05B 7/20** (2006.01); **C23C 4/12** (2006.01); **C23C 4/123** (2016.01); **C23C 4/129** (2016.01)

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

Citation (search report)

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