

Title (en)
THREAD SUCTION GUN AND METHOD FOR COOLING ITS MOUTH PIECE

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Application
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Priority
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Abstract (en)
[origin: EP0244911A2] In a thread suction gun, there is provided between an injector nozzle (5) and a mouthpiece (10) an extension tube (3) which is surrounded by a casing (12) and forms an annular chamber (13). The working medium is partly introduced into the annular chamber (13) and guided forwards as far as the mouthpiece (10). There, this partial flow can issue again through a series of small bores (14, 14') which surround the mouthpiece (10) in annular fashion. This partial flow is used for removing the frictional heat generated as a result of thread-induced friction on the mouthpiece (10), so that the mouthpiece (10) is effectively cooled. The effect of this measure is manifested by the fact that, even after repeated thread application, neither ceramic components shatter nor does thread material melt on inside the mouthpiece (10). <IMAGE>

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