

Title (en)  
APPARATUS AND METHOD FOR CONTINUOUS WIRE FEED WELDING

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM SCHWEISSEN MIT KONTINUIERLICHEM DRAHTVORSCHUB

Title (fr)  
APPAREIL ET PROCÉDÉ DE SOUDAGE À AVANCEMENT CONTINU

Publication  
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Application  
**EP 08840325 A 20081013**

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Abstract (en)  
[origin: WO2009050637A1] In the apparatus for continuous wire feed welding according to the invention, a torch cable (3) feeds a welding torch (1) with electric power, a shielding gas, a wire-shaped welding electrode and a cooling liquid. The welding fumes are drawn into a plurality of fume drawing orifices (33) and evacuated through the torch cable (3). The welding nozzle (27) is mechanically and fluidically connected to the torch cable (3) through a welding spout (9). By cooling both the torch cable (3) and the welding spout (9) with the cooling liquid, a better cooling can be achieved, smaller power supply conductors can be used in the torch (1) and the torch cable (3), and the weight and size of the assembly of the torch and the torch cable can be reduced. Moreover, since a greater section for fume flow in the torch cable is available, a better drawing of the welding fumes can be performed.

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Citation (search report)  
See references of WO 2009050637A1

Citation (examination)  
• US 4057705 A 19771108 - COCKRUM HERBERT D, et al  
• US 2006226136 A1 20061012 - ZAMUNER FRANK [CA]

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