

Title (en)  
FUSION DEVICE WITH CONSUMABLE ELECTRODES

Publication  
**EP 0094378 A3 19840502 (DE)**

Application  
**EP 83890082 A 19830511**

Priority  
AT 186182 A 19820512

Abstract (en)  
[origin: EP0094378A2] 1. A device for performing remelting processes with consumable electrodes (12), comprising an electrode carriage (1) which can be raised and lowered, provided with a measuring device having at least one load cell (15) for determining the respective electrode weight, and which comprises an electrode holder by way of which the current supply is conducted to the electrode, characterized in that the electrode holder (11) is disposed on a lever (6) which is connected to the electrode carriage (1) by way of a pivot shaft (5, 5') extending transversely to the longitudinal axis of the electrode (12), and a load cell (15) is supported on the one hand on the lever (6, 6') and on the other hand on the electrode carriage (1), where appropriate by way of components connected thereto.

IPC 1-7  
**F27B 14/06**; F27D 11/00; H05B 7/102; C22B 9/18

IPC 8 full level  
**C22B 9/18** (2006.01); **F27B 14/06** (2006.01); **H05B 7/102** (2006.01)

CPC (source: EP)  
**C22B 9/18** (2013.01); **F27B 14/06** (2013.01); **H05B 7/102** (2013.01)

Citation (search report)  
• DE 2755478 A1 19790621 - INST ELEKTROSWARKI PATONA  
• DE 2731227 A1 19780202 - INTECO INT TECHN BERATUNG  
• US 4091229 A 19780523 - WOODING PATRICK J, et al  
• EP 0042689 A1 19811230 - CONSARC CORP [US]

Cited by  
CN111727093A; DE4140724A1; DE4207967A1; US5260966A; DE4207967C2; WO2007137871A1; US11371779B2; WO2019091994A1; DE102010025236A1; WO2011101271A1; WO2020224780A1; WO2020225447A1; EP4218749A1

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