

Title (en)

METHOD AND DEVICE FOR DISCONTINUOUS PARTING OFF OF MOLTEN MASS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM DISKONTINUIERLICHEN ABSTECHEN VON SCHMELZEN

Title (fr)

PROCEDE ET DISPOSITIF POUR LA DIVISION EN DISCONTINU DE MATIERES EN FUSION

Publication

EP 0942796 A1 19990922 (DE)

Application

EP 97911179 A 19971006

Priority

- DE 19641169 A 19961008
- EP 9705469 W 19971006

Abstract (en)

[origin: WO9815374A1] A method and device for discontinuous parting off of molten mass out of a vessel through a passage should be operationally reliable. Molten mass flow in the passage (2) or in the direction of flow behind the passage (2) is interrupted and hardened by cooling. For renewed parting, interruption element (4) is opened and the solidified molten mass is melted once again by supplying radial electromagnetic energy (5).

IPC 1-7

B22D 41/60

IPC 8 full level

B22D 41/14 (2006.01); **B22D 41/60** (2006.01); **H05B 6/10** (2006.01)

CPC (source: EP KR US)

B22D 41/14 (2013.01 - EP US); **B22D 41/60** (2013.01 - EP KR US); **H05B 6/108** (2013.01 - EP US)

Citation (search report)

See references of WO 9815374A1

Cited by

EP1312884A3; RU2766939C2; EP3175939A1; CN108290211A; US11141779B2; WO2018099685A1; WO2017093236A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9815374 A1 19980416; AT E192681 T1 20000515; AU 4865297 A 19980505; DE 19641169 C1 19980528; DE 59701674 D1 20000615; EP 0942796 A1 19990922; EP 0942796 B1 20000510; ES 2148947 T3 20001016; JP 2001501539 A 20010206; KR 20000048580 A 20000725; US 6210629 B1 20010403

DOCDB simple family (application)

EP 9705469 W 19971006; AT 97911179 T 19971006; AU 4865297 A 19971006; DE 19641169 A 19961008; DE 59701674 T 19971006; EP 97911179 A 19971006; ES 97911179 T 19971006; JP 51716398 A 19971006; KR 19997002507 A 19990324; US 28411899 A 19990408