

Title (en)
SALT-BASED MELTING PROCESS.

Title (de)
AUF SALZ BASIERTES SCHMELZVERFAHREN.

Title (fr)
PROCEDE DE FUSION A BASE DE SEL.

Publication
EP 0349601 A4 19900514 (EN)

Application
EP 88907512 A 19880719

Priority
• US 13839187 A 19871228
• US 19788988 A 19880524

Abstract (en)
[origin: WO8906289A1] An improved electrolytic cell and process are provided wherein metals and metal alloys are formed from oxides or nitrides in a molten salt (13), without the evolution of halogen or halogen compounds, with less corrosion and reduced power consumption by the use of an electrode (11), having an extended or substantially increased surface area effective for the evolution of oxygen and carbon oxide, and a molten salt electrolyte effective at low temperature.

IPC 1-7
C22B 21/00; **C25C 3/02**; **C25C 3/06**

IPC 8 full level
C22B 21/00 (2006.01); **C25C 3/00** (2006.01); **C25C 3/02** (2006.01); **C25C 3/04** (2006.01); **C25C 3/06** (2006.01); **C25C 3/12** (2006.01); **C25C 7/02** (2006.01)

CPC (source: EP)
C25C 3/00 (2013.01); **C25C 3/04** (2013.01); **C25C 3/06** (2013.01); **C25C 3/125** (2013.01); **C25C 7/025** (2013.01); **Y02P 10/20** (2015.11)

Citation (search report)
• [E] US 4761207 A 19880802 - STEWART JR DONALD L [US], et al
• [E] US 4758316 A 19880719 - STEWART JR DONALD L [US], et al
• [X] US 2987391 A 19610606 - FOSTER THOMAS W F, et al
• [X] US 3846123 A 19741105 - JARRETT N, et al
• See also references of WO 8906291A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8906289 A1 19890713; AU 1044692 A 19920312; AU 2319288 A 19890801; AU 2912989 A 19890801; AU 616430 B2 19911031; AU 632259 B2 19921217; BR 8807392 A 19900320; EP 0349601 A1 19900110; EP 0349601 A4 19900514; EP 0370075 A1 19900530; EP 0370075 A4 19900628; FI 894004 A0 19890825; FI 894004 A 19890825; JP H02503695 A 19901101

DOCDB simple family (application)
US 8804565 W 19881219; AU 1044692 A 19920123; AU 2319288 A 19880719; AU 2912989 A 19891219; BR 8807392 A 19881219; EP 88907512 A 19880719; EP 89901180 A 19881219; FI 894004 A 19890825; JP 50647588 A 19880719