

Title (en)  
PROCESS FOR INCREASING THE LIFETIME OF FLUSH GAS LANCES WITH POROUS LANCE HEADS MADE OF GRAPHITE AND INERTION CAGE USED THEREFOR

Publication  
**EP 0006453 B1 19810603 (DE)**

Application  
**EP 79101605 A 19790525**

Priority  
DE 2827403 A 19780622

Abstract (en)  
[origin: ES481712A1] The useful life is increased of gas scavenging lances having porous graphite flush heads for non-ferrous metal melts by flowing an inert gas, immediately after scavenging, through the lance in a de-energizing cage which surrounds the graphite parts of the lance while forming a narrow gap therewith until a temperature below the ignition temperature of graphite is obtained.

IPC 1-7  
**C22B 9/05**; **C21C 7/072**; **C22B 21/06**

IPC 8 full level  
**C22B 21/06** (2006.01); **B22D 1/00** (2006.01); **C21C 7/072** (2006.01); **C22B 9/05** (2006.01); **F27D 1/16** (2006.01); **F27D 3/16** (2006.01); **F27D 25/00** (2010.01)

CPC (source: EP US)  
**B22D 1/005** (2013.01 - EP US); **C22B 9/05** (2013.01 - EP US); **F27D 1/1678** (2013.01 - EP US); **F27D 3/16** (2013.01 - EP US); **F27D 25/00** (2013.01 - EP US); **F27D 2003/168** (2013.01 - EP US)

Designated contracting state (EPC)  
BE CH FR GB IT NL

DOCDB simple family (publication)  
**DE 2827403 B1 19790802**; **DE 2827403 C2 19800403**; AT 377208 B 19850225; AT A388479 A 19840715; EP 0006453 A1 19800109; EP 0006453 B1 19810603; ES 481712 A1 19800216; JP S552798 A 19800110; US 4264057 A 19810428; ZA 793085 B 19800827

DOCDB simple family (application)  
**DE 2827403 A 19780622**; AT 388479 A 19790528; EP 79101605 A 19790525; ES 481712 A 19790620; JP 7245079 A 19790611; US 4678079 A 19790608; ZA 793085 A 19790621