

Title (en)  
METALLURGICAL FURNACE OR METALLURGICAL VESSEL

Publication  
**EP 0105868 B1 19860115 (DE)**

Application  
**EP 83890171 A 19830928**

Priority  
AT 369282 A 19821006

Abstract (en)  
[origin: ES8406555A1] A scavenger for injecting gas into molten material where a refractory member fits within an opening in a refractory lining. The cold face of the scavenger fits within a recess of a base that includes a gas conduit in the form of a double spiral. The gas conduit in the base is in flow communication with the gas transmitting means in the gas scavenger.

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

IPC 8 full level  
**B22D 1/00** (2006.01)

CPC (source: EP US)  
**B22D 1/005** (2013.01 - EP US)

Cited by  
WO2011095193A1; DE102010007126B3; US4995596A; US4978108A; US4669709A; US4560149A; GB2218364A; GB2218364B; EP0181853A1; US4657226A; DE3830871C1; EP0359052A1; US5152954A; EP0362475A3; US4971295A; US5007621A; US5056762A; GB2177485A

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

DOCDB simple family (publication)  
**EP 0105868 A1 19840418; EP 0105868 B1 19860115**; AT 376455 B 19841126; AT A369282 A 19840415; CA 1215832 A 19861230; DE 3361866 D1 19860227; ES 525719 A0 19840801; ES 8406555 A1 19840801; US 4568066 A 19860204

DOCDB simple family (application)  
**EP 83890171 A 19830928**; AT 369282 A 19821006; CA 438375 A 19831005; DE 3361866 T 19830928; ES 525719 A 19830919; US 53975083 A 19831006