

Title (en)  
TUYERE FOR REFINING LANCES

Publication  
**EP 0336109 B1 19920812 (FR)**

Application  
**EP 89103569 A 19890301**

Priority  
LU 87156 A 19880311

Abstract (en)  
[origin: EP0336109A1] Tuyere for a refining lance arranged set back from the lance head and supplying afterburning oxygen to the space situated above a bath of metal which is being refined. The tuyere (21) has a mouthpiece which has parallel sharp ridges (33) arranged in planes passing substantially through the axis of the lance (20), which are connected by slightly rounded ridges. Upstream of the mouthpiece of the tuyere (21) a convergent part (32) is provided. <IMAGE>

IPC 1-7  
**C21C 5/46**

IPC 8 full level  
**C21C 5/30** (2006.01); **C21C 5/46** (2006.01); **C21C 5/48** (2006.01)

CPC (source: EP US)  
**C21C 5/4606** (2013.01 - EP US); **C21C 5/48** (2013.01 - EP US); **C21C 5/305** (2013.01 - EP US)

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**EP 0336109 A1 19891011; EP 0336109 B1 19920812**; AT E79412 T1 19920815; AU 3116089 A 19890914; AU 611777 B2 19910620; BR 8901017 A 19891024; CA 1330874 C 19940726; DE 68902411 D1 19920917; DE 68902411 T2 19921210; ES 2034433 T3 19930401; JP 2641287 B2 19970813; JP H01275713 A 19891106; LU 87156 A1 19891026; US 4971297 A 19901120

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**EP 89103569 A 19890301**; AT 89103569 T 19890301; AU 3116089 A 19890309; BR 8901017 A 19890302; CA 593013 A 19890307; DE 68902411 T 19890301; ES 89103569 T 19890301; JP 5947389 A 19890310; LU 87156 A 19880311; US 32103189 A 19890309