

Title (en)  
PROCESS FOR CONTROLLING THE POWER OF A CHANNEL INDUCTOR

Publication  
**EP 0121111 B1 19870624 (DE)**

Application  
**EP 84102212 A 19840302**

Priority  
SE 8301225 A 19830307

Abstract (en)  
[origin: US4594723A] A method for continuously pouring molten metal in an initially substantially unfilled tundish having a channel-type inductor having a channel opening into the bottom portion of the tundish, is done by starting the pourings and the continuous sequential steps of applying power to the inductor when its channel is first covered by the poured metal to form a melt level and the static pressure of the metal is low and while increasing the power rapidly so as to cause incipient pinching in the channel and then momentarily rapidly reducing the power so as to prevent pinching; as the metal level further increases so that the metal's static pressure further increases, again increasing the power rapidly so as to again cause incipient pinching in the channel and then again momentarily rapidly reducing the power so as to prevent pinching; and continuing these sequential steps until the tundish is filled.

IPC 1-7  
**H05B 6/34**; G01R 19/165; H05B 6/06

IPC 8 full level  
**B22D 11/10** (2006.01); **B22D 41/015** (2006.01); **H05B 6/06** (2006.01); **H05B 6/10** (2006.01); **H05B 6/20** (2006.01); **H05B 6/34** (2006.01)

CPC (source: EP US)  
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**EP 84102212 A 19840302**; DE 3464453 T 19840302; JP 1510592 U 19920323; JP 3846984 A 19840229; SE 8301225 A 19830307; US 58626184 A 19840305