

Title (en)  
CONTROL SYSTEM FOR AUTOMATIC LADLING APPARATUS

Publication  
**EP 0128742 B1 19880113 (EN)**

Application  
**EP 84303826 A 19840606**

Priority  
US 50275383 A 19830609

Abstract (en)  
[origin: EP0128742A1] A control system for operating an automatic ladling apparatus for conveying molten metal from a furnace (F) to a die casting machine (D) or the like, comprises means (31) for moving the apparatus at varying speeds, the individual speeds being set by adjustable setting means (220), selected by control means (200) in response to predetermined inputs, and supplied to the moving means (31) by supplying means (216), so that the speed of the apparatus can be varied according to operating conditions. The rate at which molten metal is poured into the die casting machine may also be varied. Means (150, 160, 151, 153, 156, 91-93) for monitoring the position of the apparatus are provided and connected to the control means as inputs so that speed is automatically varied according to the position, and these positions are programmable. The control system includes an abort sequence to pour molten metal back into the furnace automatically if the die casting machine is not ready to accept the pour.

IPC 1-7  
**B22D 17/30**; **B22D 39/02**

IPC 8 full level  
**B22D 17/30** (2006.01); **B22D 17/32** (2006.01); **B22D 39/02** (2006.01)

CPC (source: EP)  
**B22D 39/026** (2013.01)

Cited by  
EP0157377A3; CN114799126A; WO9204148A1

Designated contracting state (EPC)  
DE FR GB SE

DOCDB simple family (publication)  
**EP 0128742 A1 19841219**; **EP 0128742 B1 19880113**; DE 3468636 D1 19880218; IN 161346 B 19871114; JP S606264 A 19850112

DOCDB simple family (application)  
**EP 84303826 A 19840606**; DE 3468636 T 19840606; IN 367CA1984 A 19840528; JP 11679984 A 19840608