

MELTING UNIT FOR A DIE CASTING SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A die casting system includes a die, a shot tube, a shot tube plunger and a
melting unit. The die includes a plurality of die components that define a die cavity.
The shot tube is in fluid communication with the die cavity. A shot tube plunger is
moveable within the shot tube to communicate a charge of material into the die
cavity. The melting unit is positioned relative to the die and includes a bottom portion
10 having an opening for selectively releasing a charge of material through the bottom
portion.

Figure 1