

ABSTRACT OF THE DISCLOSURE**A PREHEATING DEVICE OF SCRAP METAL**

There is proposed a furnace-top scrap preheating device in which preheating chambers 10 and 11 capable of containing scrap metal are provided on an arc furnace 1 and the exhaust gas
5 of the arc furnace 1 is passed through the preheating chambers 10 and 11. By flowing cooling water in a preheating chamber wall 33, the metal is prevented from being deposited. For the same purpose, in the furnace-top scrap preheating device, in addition to the flowing of the cooling water in the preheating
10 chamber wall, a refractory can be lined on a side of a chamber inner surface of the preheating chamber wall.

Fig. 1