

ABSTRACT

FIRING FURNACE FOR FIRING ELECTRODE OF SOLAR CELL ELEMENT,  
5           METHOD FOR MANUFACTURING SOLAR CELL ELEMENT, AND  
              SOLAR CELL ELEMENT

Disclosed is a firing furnace for firing an electrode  
of a solar cell element, which is provided with: a transfer  
10 member, which transfers a substrate having a conductive paste  
applied thereto; a heating section, which heats the substrate  
and fires the conductive paste; and a cooling section, which  
cools the heated substrate. The furnace is also provided  
with a heating means for heating the transfer member.  
15 Specifically, at the time of firing the electrode paste using  
the wire-type firing furnace, since a wire is fired at a  
temperature substantially equivalent to the ambient  
temperature of the heating section, deterioration of yield  
due to having the electrode damaged by a deposited material  
20 of the metal component of the conductive paste is suppressed,  
said deposited material being deposited on the wire, and the  
wire-type firing furnace can be continuously used.