

ABSTRACT

Disclosed is a phosphorus paste for diffusion that is
5 used in continuous printing of a phosphorus paste for
diffusion on a substrate by screen printing. The phosphorus
paste for diffusion does not undergo a significant influence
of ambient humidity on viscosity and has no possibility of
thickening even after a large number of times of continuous
10 printing. The phosphorus paste for diffusion is coated on a
substrate by screen printing for diffusion layer formation on
the substrate. The phosphorus paste for diffusion includes a
doping agent containing phosphorus as a dopant for the
diffusion layer, a thixotropic agent containing an organic
15 binder and a solid matter, and an organic solvent. The
doping agent is an organic phosphorus compound.