



162162



G00002

ABSTRACT
FIRE-RETARDING GLASSES FORMED FROM GLASS PANES AND GEL
LAYERS IN A SANDWICH-LIKE STRUCTURE

The invention relates to fire-retarding glasses formed from glass panes and gel layers in a sandwich-like structure, wherein the gel layers are reaction products of gel formers, which comprise aqueous solutions of amine salts and acidic metal phosphates or of amine salts, acidic metal phosphates and boric acid, are introduced into the spaces between the glass panes of a composite structure of panes and are gelled by the effect of heat. A high resistance to UV and temperatures is achieved with the fire-retarding glasses, having a permanent clarity and being easy to produce, when the mixtures of the gel former are introduced into aqueous sols of colloidal silica and gelled.