

ABSTRACT

PAINT DRYING CONTROL APPARATUS, PAINT DRYING CONTROL METHOD, AND PAINT DRYING CONTROL SYSTEM

A paint drying control apparatus receives an input of a paint type used to paint an object and a drying time of the object that have been input from a user, acquires a temperature of a drying atmosphere for drying the object and an ammonia concentration in the drying atmosphere that have been obtained by burning mixed gas containing at least ammonia gas in a combustion furnace in a paint drying apparatus, calculates an ammonia concentration threshold of the ammonia gas based on the drying time, a paint type coefficient corresponding to the paint type used to paint the object, and the temperature of the drying atmosphere, generates a control condition related to a change in a flow rate of each gas constituting the mixed gas to the combustion furnace when the acquired ammonia concentration in the drying atmosphere is equal to or higher than the ammonia concentration threshold, and outputs the generated control condition.

Figure 2.