

HANGING TYPE PAINTING APPARATUS AND PAINTING SYSTEM

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ABSTRACT OF THE DISCLOSURE

10 A hanging type painting apparatus (10) has a post
(11) hanging through an opening (920) formed in an upper
surface of a tank (800), a main body (12) which is
movable up and down along the post and is rotatable about
the post, a storage portion (101) which stores therein
dimensional data of the tank, a calculation portion (102)
which calculates the shortest distance between each of a
15 plurality of monitoring points arranged entirely over the
main body of the painting apparatus and the tank whose
data is stored in the storage portion, at a predetermined
cycle, and an operation stopping portion (103) which
stops the operation of the main body of the painting
20 apparatus when at least one of the shortest distances
calculated by the calculation portion is smaller than a
predetermined value. With this structure, stable
painting without damaging the inner surface of the cargo
tank or the supply portion can be carried out.

-Figure 3-