

GAS REACTIVE PIGMENT, GAS DETECTOR USING THE SAME,
AND GAS DETECTION METHOD AND APPARATUS
USING THE DETECTOR

ABSTRACT OF THE DISCLOSURE

5 A gas reactive pigment reactive to at least one
of a halogen gas, a hydrogen halide gas, an acidic gas,
an oxidizing gas, a basic gas, and an organic acid gas
is provided. The pigment comprises a metal complex of
10 tetraphenylporphyrin or a derivative thereof represented by
formula (I) or a tetraphenylporphyrin derivative represented
by formula (II). A detector for the above gases containing
the reactive pigment; a method for detecting the above gases
using the detector; and a detection apparatus for the above
gases using the detector are also provided. The gas
15 reactive pigment shows a color change, which can be measured
in terms of the absorption spectrum change of said pigment
at high sensitivity on contact with the above gases.

This Sheet Has Been Replaced

