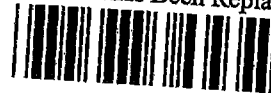


LABORATORY FUME HOOD
CONTROLLER UTILIZING OBJECT DETECTION

ABSTRACT OF THE DISCLOSURE

A fume hood controller includes detection apparatus for detecting the presence of objects within the fume hood and reduces the flow through the fume hood if there are no objects within the hood, thereby conserving energy costs associated with conditioning supply air to the room where the fume hood is located. The controller also adjusts flow as a function of the presence and also the location of objects that are detected within the fume hood. Since there is a smaller likelihood of fume spillage when the objects are located more deeply within the fume hood, the flow can be reduced in such a situation compared to that which would be required if the objects are located closer to the sash.

This Sheet Has Been Replaced



THIS SHEET HAS BEEN
REPLACED