
“Apparatus for fire detection in an electrical equipment rack”

Abstract

The present invention relates to an apparatus for fire detection in an electrical equipment rack (100) comprising a suction pipe system (2) which communicates with the electrical equipment rack (100) to be monitored through at least one suction opening (2') and through which a representative air sample is drawn from the electrical equipment rack (100) to be monitored, an early fire detection module (10) having at least one detector unit (11) for detecting at least one fire parameter in the air sample extracted through the suction pipe system (2), and a controller (12) for issuing an early fire detection signal in response to the result detected with the at least one detector unit (11). In order to provide optimum protection for the electrical equipment rack (100) to be monitored independent of the spatial dimensions to said electrical equipment rack (100) and the space available between the housing cover of the equipment rack (100) and the ceiling of the given room, the invention provides for the early fire detection module (10) to be configured as a rackmount (100') to be inserted into the monitored electrical equipment rack (100).

(Fig. 4a)