

AUTOMATED GUTTER CONTROL SYSTEM

Abstract

[0047] The present invention provides an automated gutter control system comprising a set of water sensors whose timing information can be used for detecting several rain gutter system malfunction. The automatic detector of system malfunction can be used to detect whether the pump speed of the water jets is in desired rate, to detect any power down issues in the rain gutter, to detect whether there is any blockage and further indicate the location of the blockage in the rain gutter. Both the rain gutter and its top mesh layer are made of heat conductive material. The automated gutter control system is also equipped with temperature sensors for monitoring the temperature of the rain gutter, such that no water will be sprayed from the water jets if a minimum predetermined temperature is maintained for a minimum duration within a predetermined period of time.

[0048] FIG. 1 accompanies the abstract.