

COOLING HOLE INSPECTION SYSTEM

ABSTRACT

An inspection system includes a thermographic sensor configured to capture thermographic data of a component having holes as a fluid is pulsed toward the holes, and one or more processors configured to temporally process the thermographic data to calculate temporal scores for the corresponding holes, spatially process the thermographic data to calculate spatial scores for the corresponding holes, and calculate composite scores associated with the holes based on the temporal scores and based on the spatial scores. The composite scores represent a likelihood that the corresponding holes are open, blocked or partially blocked.

[Figure 1]