

Abstract**WATER MIST FIRE SUPPRESSION DEVICE AND METHOD OF
MANUFACTURING**

A water mist fire suppression device includes a nozzle body disposed about a central axis. Also included a nozzle arrangement configured to expel water. The nozzle arrangement includes an annular groove. The nozzle arrangement also includes a micro nozzle extending from a water plenum to the annular groove, wherein the micro nozzle is angularly oriented from the central axis. The nozzle further includes a deflector lip located proximate an outlet of the nozzle, wherein the deflector lip is positioned to contact water exiting the outlet of the nozzle arrangement.

[FIGURE 2]