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(54) Title: PYROTECHNIC MISFIRE DETECTION TECHNIQUES

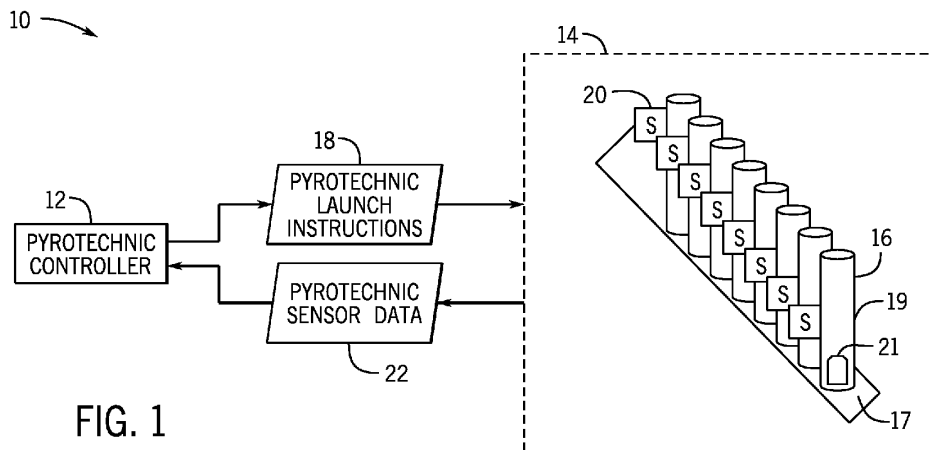


FIG. 1

(57) Abstract: A pyrotechnic misfire detection system includes one or more sensors (20) that may acquire sensor data indicative of a pyrotechnic ignition event at one or more launch devices (16) and a controller. The controller may receive the sensor data from the one or more sensors (20), determine whether the sensor data corresponds to pyrotechnic launch instructions (18) based on the sensor data, and determine that the one or more launch devices (16) has misfired in response to the sensor data not corresponding to the pyrotechnic launch instructions (18).