ABSTRACT

The invention is an unmanned fire fighting (FiFi) vessel or robot that is specially designed for use in shallow waters and reefs or over land to put out fires on ships or boats or accommodation along the coast when a normal fire fighting vessel or vehicle is unable to get close enough to the casualty vessel. The robot is to be operated in tandem with a mother vessel that carries a fire pump or to any fire pump that provides high pressure water that flows along a normal fire fighting hose connected to the robot. When this high pressure water is thrown out the back of the robot, it functions like waterjets to propel the robot forward. When the robot arrives in shallow waters the high pressure water in the hose is now used to push a vane that drives wheels attached to the robot to enable mobility on land. When the robot has reached its desired fire fighting position, the high pressure water is now directed to fight the fire. A special rotary valve mechanism enables the high pressure water to be used for transit and subsequently for fire fighting. Software is used to effortless drive the FiFi vessel to the location of the boat on fire.

FIGURE 1