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US 6305419 B1 **US 20050160904 A1**
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(continued on next page)

(54) Abstract Title: **Anti-stall system utilizing implement pilot relief**

(57) A hydraulic control system (48) for a machine (10) is disclosed. The hydraulic control system may have a source (52) driven by an engine (18) to pressurize fluid, and a tool actuator (28) movable by pressurized fluid. The hydraulic control system may further have a first valve element (54) movable to control an amount of pressurized fluid directed to the tool actuator, and an interface device (42) movable by an operator to control an amount of pressurized fluid directed to move the first valve element. The hydraulic control system may also have a second valve element (74) movable to limit an amount of pressurized fluid available to move the first valve element, and a controller (72) in communication with the second valve element. The controller may be configured to move the second valve element to reduce pressurized fluid directed to the first valve element in an amount related to a load on the engine.

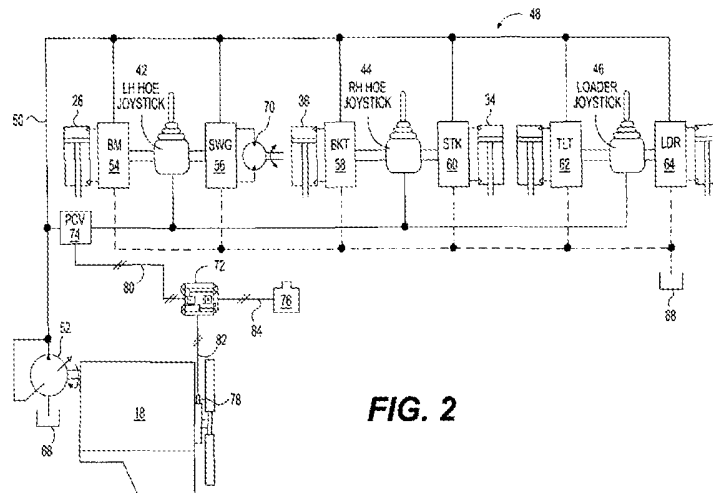


FIG. 2

GB 2460797 A continuation

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