

Title (en)
ELECTRO-HYDRAULIC CONTROLLER

Title (de)
ELEKTROHYDRAULISCHE STEUERUNG

Title (fr)
COMMANDE ÉLECTRO-HYDRAULIQUE

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Application
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Abstract (en)
[origin: WO2011003506A1] The invention relates to a controller for a secure electro-hydraulic axis (2) comprising a valve block (10), which has a first and a second working connection (Y2, Y1) for a hydraulic load (2) that has two supply connections (X1, X2) and comprises fluidic paths between at least one of the working connections and at least one of the supply connections, a hydraulic machine (8) that is switched between the two supply connections, a rotational speed variable electric drive (6) that is coupled to the hydraulic machine, and monitored switching valves (12, 14, 16, 18) that are arranged on the valve block and each of which have a monitoring unit for monitoring the switching positions of the valves. To this end, two monitored switching valves (12, 16, 18) are arranged in series in a path, which allows the removal of pressure medium from the first working connection (Y2), and at least two safety means (12, 14) acting independently of each other are provided, which limit the supply of pressure medium into the second working connection (Y1) in a predetermined state.

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