THE ELABORATION OF A MODELING METHOD FOR THE HYDRAULIC AUCTIONING AND THE SIMULATION OF THE FUNCTIONALITY FOR THE PLASTIC INJECTION PISTON DEVICE LIKE A TRANSLATION AXIS OF A ROBOT (PART II)

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In this paper work is analyzed the functionality of the plastic injecting device, for driving, according to the mathematic model, the injection technological process. For this the piston of the injecting machine was assimilated with a translation axis with hydraulic auctioning of a robot. A scheme has been conceived for driving the injecting machine piston, using the numerical computer. It has been elaborated a mathematic module of the hydraulic auctioning, in this case the injecting machine piston, using different types of regulators and creating optimization bases of the working speeds according to the technological process of injecting.

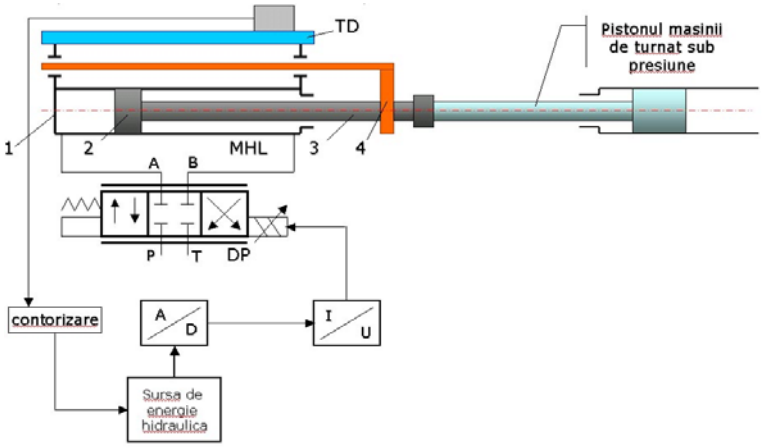

Fig. 11. The driving scheme of the devices piston M.I.M.P. like a robot axis.

Reference:

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