

ABSTRACT

A steering apparatus 100A for an industrial vehicle includes: a hydraulic pump 31; a steering cylinder 32; a manual steering circuit 40 which supplies hydraulic oil discharged from the hydraulic pump 31 to the steering cylinder 32 through a PS valve 41 opened or closed according to an operation of a steering wheel 33; an automatic steering circuit 50 which supplies the hydraulic oil discharged from the hydraulic pump 31 to the steering cylinder 32 through an electromagnetic proportional valve 51 opened or closed according to a calculation result of automatic operation control; and a priority valve 60 which is disposed between the hydraulic pump 31 and the PS valve 41 and the electromagnetic proportional valve 51, branches the hydraulic oil to the manual steering circuit 40 and the automatic steering circuit 50, and preferentially supplies the hydraulic oil to the manual steering circuit 40 at a designed flow rate equal to or larger than a predetermined flow rate for operating the steering cylinder 32.

[Fig. 2]