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ABSTRACT

There is provided a hydraulic turbomachine comprising
a housing, one or more impellers arranged rotatably around
an axis within the housing, one or more resin-made diffusers
5 provided around the one or more impellers for defining
diffuser channels around the impellers, respectively, one or
more support members provided within the housing and engaged
under pressure with corresponding ones of the diffusers for
securely supporting the corresponding diffusers in the
10 direction of the above-noted axis within the housing, and
elastic members held between surfaces of the support members
and the diffusers in the above-noted direction. An O-ring
receiving groove is formed in each of the surfaces of the
diffusers in such a manner that the groove surrounds the
15 axis, and an O-ring is placed in the groove as the elastic
member.