

a 2001 0326

The invention relates to the pump engineering, in particular to the construction of blade branches of the centrifugal pumps.

The branch consists of blades with front and back sides, forming the blade tongue and the interblade channel. Novelty consists in that the front and back sides of the blades intersect in a point onto the branch pitch circle in plane. The back side of each blade is made tangential in the intersection point onto the pitch circle, and the blade tongue is rounded with a shift between the front and back sides thereof.

The result of the invention consists in reducing the pressure loss and in increasing the centrifugal pump efficiency.

Claims: 1

Fig.: 1