Impeller for a centrifugal pump

The invention relates to an impeller for a centrifugal pump in accordance with the preamble of claim 1.

Impellers for centrifugal pumps are already known having at least one vane which has an upper side which has at least one kink line in at least one part region. The vanes are in this respect open in a V shape along the kink line in the direction of a surface normal of an upper side, i.e. an opening of the vanes faces in a direction of rotation in which the impeller is rotated in an operation to generate a pump effect.

It is in particular the underlying object of the invention to provide an impeller by means of which a characteristic of a centrifugal pump can be improved. The object is satisfied by an impeller in accordance with the invention in accordance with claim 1. Further developments of the invention result from the dependent claims.

The invention starts from an impeller for a centrifugal pump having at least one vane which has a lower side curved concavely in at least one part region and which has at least one kink line in at least one part region, which kink line extends at least substantially alone a main direction of extent of the lower side.

Impeller for a Centrifugal Pump and Centrifugal Pump

The invention relates to an impeller for a centrifugal pump in accordance with the preamble of claim 1.

Impellers for centrifugal pumps are already known having at least one vane which has an upper side which has at least one kink line in at least one part region. The vanes are in this respect open in a V shape along the kink line in the direction of a surface normal of an upper side, i.e. an opening of the vanes faces in a direction of rotation in which the impeller is rotated in an operation to generate a pump effect.

It is in particular the underlying object of the invention to provide an impeller by means of which a characteristic of a centrifugal pump can be improved. The object is satisfied by an impeller in accordance with the invention in accordance with claim 1. Further developments of the invention result from the dependent claims.

The invention starts from an impeller for a centrifugal pump having at least one vane which has a lower side curved concavely in at least one part region and which has at least one kink line in at least one part region, which kink line extends at least substantially alone a main direction of extent of the lower side.