Claims

1. A nozzle shaft for pivotable propeller nozzles with stationary propeller for watercraft, particularly pivotable Kort nozzles, wherein the nozzle shaft is realized in the form of a hollow body, particularly in the form of a hollow cylinder, and has a constant diameter over its entire length in the axial direction, ~~in that~~wherein the nozzle shaft has a diameter between 60 cm and 150 cm, preferably between 75 cm and 125 cm, particularly between 90 cm and 110 cm, and
wherein the wall thickness of the nozzle shaft lies between 1 cm and 10 cm, preferably 2 cm and 8 cm, particularly 3 cm and 5 cm~~.~~, wherein the nozzle shaft is at least sectionally arranged and supported in a trunk pipe and wherein the propeller nozzle is supported by means of the nozzle shaft only and does not feature any other support.

2. The nozzle shaft according to Claim 1, wherein the nozzle shaft is manufactured of steel.

3. The nozzle shaft according to Claim 1 or 2, wherein a pivot drive for the nozzle shaft, particularly a blade-type drive unit, is at least partially arranged in the interior of the nozzle shaft, particularly in an end region of the nozzle shaft, wherein the outside dimensions of the pivot drive preferably correspond essentially to the inside dimensions of the hollow body.

4. The nozzle shaft according to one of the preceding claims, wherein that connecting means, particularly an arbor, are provided on an end region of the nozzle shaft in order to produce a connection with a pivot drive for pivoting the nozzle shaft, particularly a blade-type drive unit, wherein the connecting means preferably are detachably connected to the nozzle shaft.

5. The nozzle shaft according to Claim 4, wherein the connecting means comprise an axial bearing, particularly a mounting flange, for axially supporting the nozzle shaft.

6. The nozzle shaft according to one of the preceding claims, wherein the nozzle shaft has a larger diameter than massive nozzle shafts of propeller nozzles, particularly a diameter that is at least twice as large.

7. A propeller nozzle for watercraft, particularly a Kort nozzle, with a stationary propeller and a nozzle ring that shrouds the propeller and can be pivoted by means of a nozzle shaft, wherein the nozzle shaft is realized in the form of a hollow body, particularly in the form of a cylindrical pipe,
wherein an end region of the nozzle shaft that faces the nozzle ring is rigidly connected to the nozzle ring by means of welding and
wherein the end region of the nozzle shaft that faces the nozzle ring is inserted into the wall of the nozzle ring and preferably abuts on the inner wall of the nozzle ring with its end face~~.~~, wherein the nozzle shaft is at least sectionally arranged and supported in a trunk pipe, and wherein the propeller nozzle is supported by means of the nozzle shaft only and does not feature any other support.

~~8. The propeller nozzle according to Claim 7, wherein the propeller nozzle is supported by means of the nozzle shaft only and does not feature any other support.~~

~~9~~8. The propeller nozzle according to ~~one of~~ Claim~~s~~ 7 ~~or 8~~, wherein at least two openings are provided in the wall of the nozzle ring and essentially arranged opposite of one another.

~~10~~9. The propeller nozzle according to one of Claims 7 to ~~9~~8, wherein ~~the nozzle shaft is at least sectionally arranged and supported in a trunk pipe, wherein~~ the region of the nozzle shaft that faces the nozzle ring ~~preferably~~ protrudes over the trunk pipe.

~~11~~10. The propeller nozzle according to one of Claims 7 to ~~10~~9, wherein the nozzle shaft is realized in accordance with one of Claims 1 to 6.

~~12~~11. A watercraft, wherein it comprises a propeller nozzle according to one of Claims 7 to ~~11~~10.