Abstract

Propeller nozzle

In order to provide a propeller nozzle (100, 200), in particular for watercraft, comprising a nozzle (10) and a propeller (20) having at least one propeller blade (22) which can rotate about a propeller axis, preferably a plurality of propeller blades, which spans a propeller area through rotation about the propeller axis, wherein the at least one propeller blade (22) has a propeller blade end region (23) , wherein the propeller (20) is disposed inside the nozzle (10) in such a manner that a circumferential gap (40) in the circumferential direction of the propeller nozzle (100, 200) is formed between the propeller end region (23) and the inner wall of the nozzle (12), wherein a marginal flow (33) running from a nozzle (12) in the area of the inner wall of the nozzle (12) can flow through the gap (40), wherein the performance losses which occur due to turbulence of the marginal flow during flow around the propeller blade end region are kept as low as possible, flow guiding means are provided for guiding at least one part of the marginal flow onto the propeller area.

Fig. 1