

Abstract:Method for manufacturing or for repairing a component of a rotary machine as well as a component manufactured or repaired using such a method

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A method for manufacturing a component of a rotary machine is proposed, the component extending in an axial direction (A) as well as in a radial direction vertical thereto, and having at least one inner channel (7), which extends from a first end (72) in a center (6) of the component to a second end (71) at a radial

10 limiting surface (42) of the component and which is at least partially closed, wherein a blank (10) is provided, comprising the center (6) of the component and which is limited by an outer surface (11) in the radial direction (R), wherein the maximum dimension (D1) of the outer surface (11) in the radial direction (R) is smaller than the dimension (D2) of the limiting surface (42) in the radial direction, wherein further a first subtractive process step is performed wherein a part of the channel (7)

15 is manufactured by a machining process, with said part extending from the first end (72) of the channel to the outer surface (11) of the blank (10) and wherein afterwards the channel (7) is finished by means of a build-up process on the blank (10). Furthermore, a corresponding method for repairing is proposed as well as a

20 component manufactured or repaired to such a method.

(Fig. 1)

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