

Title (en)
SIDE CHANNEL COMPRESSOR

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Application
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Abstract (en)
[origin: EP0459269A1] The invention relates to a side channel compressor with an impeller (8; 9) pivotally mounted in its housing (3, 4, 5) by means of a shaft (6), which impeller comprises a blade ring (12) arranged on a disc-shaped hub section (11) and a blade ring (12) arranged on the outer circumference of this hub section (11), and with a device for introducing a cooling liquid into the delivery line of the compressor. Damage to the feed blades due to liquid droplets can be avoided in that on that section of the compressor housing extending from the side channel (10) to the shaft (6) at least one injection nozzle (13) for the cooling liquid is provided, the injection nozzle (13) being directed into an axial gap (14) between the hub section (11) and a housing section (3; 4; 5). <IMAGE>

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Cited by
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