

Title (en)

Stabilizing device for the increase of the surge margin of a compressor

Title (de)

Stabilisierungseinrichtung zur Kennfelderweiterung eines Verdichters

Title (fr)

Dispositif de stabilisation pour l'extension de la tolérance de pompage d'un compresseur

Publication

EP 0593797 B1 19960710 (DE)

Application

EP 92117780 A 19921017

Priority

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Abstract (en)

[origin: EP0593797A1] In a compressor, the stabilising device for increasing the surge margin consists of a co-rotating ring (2) connected firmly to the moving blades (1), there being arranged between the ring (2) and the housing (3) of the compressor a recirculation duct (4) which, at its rear end in the flow direction, has an opening towards the impeller (5), only the usual narrow play existing between impeller (5) and wall of the housing (3) following the rear end of this opening. The front edge of the ring (2) in the flow direction can end flush with the inlet edges of the moving blades (1) or be axially displaced. <IMAGE>

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IPC 8 full level

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CPC (source: EP KR US)

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