

Title (en)

Device for regulating the cross-sectional flow area of a turbomachine.

Title (de)

Vorrichtung zum Regulieren des durchströmten Querschnitts einer Turbomaschine.

Title (fr)

Dispositif de réglage de la section d'écoulement dans une turbomachine.

Publication

EP 0508067 B1 19950712 (DE)

Application

EP 92102795 A 19920220

Priority

CH 102291 A 19910408

Abstract (en)

[origin: EP0508067A1] A device for the regulated admission to the diffuser (7, 20) of axial flow tapped steam turbines (3, 3') essentially comprises a control slide valve (14, 23) having two inlet apertures (15, 22) for the working medium and arranged upstream of the diffuser, and a duct element (10, 19) arranged between the control slide valve (14, 23) and diffuser (7, 20). This is provided with a plurality of feed ducts (13, 21) which connect the inlet apertures (15, 22) of the control slide valve (14, 23) to the nozzles of the diffuser (7, 20). The control slide valve is rotatable by 180 DEG in a circumferential direction for increasingly opening or closing the feed ducts. <IMAGE>

IPC 1-7

F01D 17/18; **F01D 17/14**

IPC 8 full level

F01D 17/14 (2006.01); **F01D 17/18** (2006.01)

CPC (source: EP US)

F01D 17/141 (2013.01 - EP US); **F01D 17/18** (2013.01 - EP US); **F05D 2250/411** (2013.01 - EP US)

Cited by

CZ301591B6; EP0568905A1; US5383763A; EP0568909A1; US5409351A; DE102009010608A1; DE102009010608B4; DE102017005641A1; WO2018228627A1; US8635876B2; WO2007104647A3; WO2012130879A1

Designated contracting state (EPC)

CH DE FR IT LI

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