

Title (en)
Guide vane assembly and turbo engine

Title (de)
Leitschaufelkranz und Strömungsmaschine

Title (fr)
Stator et turbomachine

Publication
EP 2696043 A1 20140212 (DE)

Application
EP 12179987 A 20120810

Priority
EP 12179987 A 20120810

Abstract (en)
The guide vane assembly has multiple rotatable guide vanes (2), where each guide vane is provided with an inner blade plate (16) and a bearing pin (18). The bearing pin is extended radially inwards from the inner blade plate and is inserted in an annular groove (32) in a section removed from the inner blade plate. The bearing bushes (8) are arranged between the inner blade plates and the annular grooves. The connecting elements (10) provided as spring rings are inserted in the separate annular grooves in a form-fitting manner. The annular grooves are provided with a tapered groove wall (36).

Abstract (de)
Offenbart ist ein Leitschaufelkranz für eine Strömungsmaschine, deren verdrehbare Leitschaufeln mittels eines Federringes an einem Innenring in radialer Richtung des Leitschaufelkranzes mechanisch gekoppelt sind, wobei jeder Leitschaufel eine Lagerbuchse zugeordnet ist und die Lagerbuchsen eine umfangsseitig geschlossene innenumfangsseitige Führungsfläche aufweisen, sowie eine Strömungsmaschine.

IPC 8 full level
F01D 17/16 (2006.01); **F01D 25/16** (2006.01)

CPC (source: EP)
F01D 17/162 (2013.01); **F01D 25/16** (2013.01); **F05B 2260/30** (2013.01)

Citation (search report)

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