

Title (en)
Reduction of gap loss in turbomachines

Title (de)
Reduzierung von Spaltverlust in Strömungsmaschinen

Title (fr)
Diminution des pertes dues au jeu en bout d'aubes dans les turbomachines

Publication
EP 1746256 A1 20070124 (DE)

Application
EP 05015779 A 20050720

Priority
EP 05015779 A 20050720

Abstract (en)
The engine has rotor and stator blades that are spaced apart from opposite sealing surfaces, such that a rotor blade gap (11) and/or a stator blade gap (12) is formed between blade tips (6) and the sealing surfaces attached to the tips. A sealing unit (22) is movable along a longitudinal direction of the machine by a drive attached to the unit, so that the rotor blade gap with its dimension is adjustable. The unit (22) is formed as a separate annular segment or a fixed-blade carrier (18) and has attachment and sealing sides.

IPC 8 full level
F01D 11/22 (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP)
F01D 11/025 (2013.01); **F01D 11/22** (2013.01); **F05D 2250/41** (2013.01)

Citation (search report)

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