

Title (en)
Turbomachine vane damper

Title (de)
Stoßdämpfer für Laufradschaufeln eines Turbotriebwerks

Title (fr)
Amortisseur pour aubes de turbomachine

Publication
EP 1985810 B1 20100609 (FR)

Application
EP 08155206 A 20080425

Priority
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Abstract (en)
[origin: EP1985810A1] The damper (10) has a base plate (13) supported on a disk rim of a rotor of a turbomachine e.g. high pressure gas turbine engine axial compressor, and a spring plate (12). The plate (12) connects an elongated counterweight (11) with the plate (13), where the counterweight is made of composite material i.e. impregnated fabric. The counterweight has contact surface portions that are contacted with platforms of vanes. The portions form an angle that is lower than 90 degree, with the plate (13), when the plate (12) is at rest.

IPC 8 full level
F01D 25/06 (2006.01); **F01D 5/26** (2006.01)

CPC (source: EP US)
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