

Title (en)
Rotor blades vibration damping device

Title (de)
Dämpfungselement für Rotorscheaufeln

Title (fr)
Agencement amortissant pour des aubes de rotor

Publication
EP 0764765 A1 19970326 (FR)

Application
EP 96401990 A 19960919

Priority
FR 9511080 A 19950921

Abstract (en)
The damper consists of an insert (10) which fits into the turbine disc socket (2) surrounding the blade root (5) and made with projections (11) which extend along the sides of the blade and end in lips (15). Each lip has a centre of gravity (G) which is offset relative to a plane parallel to the side of the blade and passing through its point of articulation. The damper can be made in two sections with shaped ends set in grooves in the disc on either side of the blade socket, and adjacent dampers can be linked by platforms which can be made in one piece with the dampers or separately from them.

Abstract (fr)
Agencement amortissant pour des aubes (3) munies d'échasses (4, 5) engagées dans des alvéoles d'un disque de rotor (1). On ajoute des éléments amortissants (10) comprenant une partie (11, 12) s'étendant le long des flancs (6) des échasses (4) et comprenant une partie (15) appuyée contre eux. Les vibrations de battement des aubes (3) sont amorties par ces éléments, qui sont utilisables sur des aubes lisses, dépourvues de plate-forme telles que de grandes aubes de soufflante. Application aux turbomachines. <IMAGE>

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IPC 8 full level
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F01D 5/22 (2013.01 - EP US); **F01D 5/26** (2013.01 - EP US); **F01D 5/3092** (2013.01 - EP US); **F01D 11/008** (2013.01 - EP US); **Y10S 416/50** (2013.01 - EP)

Citation (search report)
• [XDY] FR 2669686 A1 19920529 - SNECMA [FR]
• [Y] EP 0089272 A1 19830921 - SNECMA [FR]
• [X] US 5205713 A 19930427 - SZPUNAR STEPHEN J [US], et al

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