

Title (en)

Bleeding air from the tip of the rotating blades in a high pressure compressor of a turbine engine

Title (de)

Luftentnahme bei den rotierenden Schaufelspitzen eines Hochdruckverdichters eines Turbinentriebwerks

Title (fr)

Prélèvement en tête des roues mobiles de compresseur haute pression de turboréacteur

Publication

EP 1693572 B1 20151104 (FR)

Application

EP 06100669 A 20060120

Priority

FR 0501567 A 20050216

Abstract (en)

[origin: EP1693572A2] The compressor (10) has several stator vanes (18) and moving blades (16) which are spaced apart in axial direction relative to a central longitudinal axis. The blades are surrounded by a stationary casing (14). The stationary casing has several bleed holes (24) which are centered in a range of 5-50% of the blade chord length. The diameter of the bleed hole is 30% of the blade chord length. The bleed hole is inclined at two different angles relative to the longitudinal axis. An independent claim is also included for turbomachine.

IPC 8 full level

F04D 29/68 (2006.01); **F04D 27/02** (2006.01)

CPC (source: EP US)

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