

Title (en)

METHOD FOR MAKING A TWIN-VANED NOZZLE RING ASSEMBLY FOR A TURBOCHARGER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ZWEIFLÜGELIGEN DÜSENRINGANORDNUNG FÜR EINEN TURBOLADER

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ENSEMBLE BAGUE DE BUSE À DOUBLE AUBE POUR UN TURBOCOMPRESSEUR

Publication

EP 3741960 B1 20231101 (EN)

Application

EP 20165134 A 20200324

Priority

US 201916421703 A 20190524

Abstract (en)

[origin: EP3741960A1] A twin-vaned nozzle ring (30) for a turbine nozzle of a turbocharger nozzle ring is made by assembling the nozzle ring (30) from three separately formed parts. A center part (60) includes a first ring (40) of circumferentially spaced first vanes (42) and a second ring (50) of circumferentially spaced second vanes (52), the first and second rings being axially spaced and integrally joined to each other. The first vanes are circumferentially offset from the second vanes, and exits from the first vane passages (44) are radially aligned with and circumferentially interleaved with exits from the second vane passages (54). First and second side walls are provided as separate parts. Finally, the first side wall (46, 56) is joined to a distal or outer face of the first ring, and the second side wall is joined to a distal face of the second ring to complete the assembly.

IPC 8 full level

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CPC (source: CN EP)

F01D 9/041 (2013.01 - CN); **F01D 9/042** (2013.01 - CN); **F01D 9/045** (2013.01 - CN EP); **F05D 2220/40** (2013.01 - CN EP)

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