

Title (en)

VARIABLE NOZZLE TURBOCHARGER WITH MEANS TO REDUCE ACCUMULATION OF SOOT

Title (de)

TURBOLADER MIT VARIABLER GEOMETRIE MIT MITTELN ZUR REDUKTION VON RUSSANSAMMLUNG

Title (fr)

TURBOCOMPRESSEUR À GÉOMÉTRIE VARIABLE AVEC MOYENS RÉDUISANT L'ACCUMULATION DE SUIES

Publication

**EP 2871328 B1 20210526 (EN)**

Application

**EP 14192318 A 20141107**

Priority

JP 2013233360 A 20131111

Abstract (en)

[origin: EP2871328A1] In a variable nozzle turbocharger, variable nozzles operate through circumferential displacement of a unison ring (12) aligned with a main plate (10) in a thickness direction thereof. A gap is formed between facing surfaces (F1, F2) of the unison ring and the main plate, and projections (41) that project from one surface (F1) out of the facing surfaces (F1, F2) toward the other surface (F2) are provided in the gap. When the unison ring is displaced in its circumferential direction, foreign substances attached to the gap between the facing surfaces (F1, F2) are scraped out from the gap by the projections.

IPC 8 full level

**F01D 17/16** (2006.01)

CPC (source: EP)

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