

Title (en)

Reinforced vane.

Title (de)

Verstärkte Schaufel.

Title (fr)

Aube renforcée.

Publication

EP 0556047 A1 19930818 (EN)

Application

EP 93301003 A 19930211

Priority

GB 9202982 A 19920213

Abstract (en)

An aerofoil (10) for a turbocharger stator for a large diesel engine has a convex, upper wall (12) and a concave, lower wall (14) with a leading edge (16) and a trailing edge (18). A wiggle strip (22) extends the length of the aerofoil and is brazed to the walls to provide added strength. The inner surface of the wall (12) is reinforced by a plate (20) extending from the trailing edge to a point in the region of the maximum spacing between the walls (12, 14). The plate is a shaped reinforcement piece and gives added strength to the area of the wall (12) which is impacted by cleaning medium. It provides a localised reinforcement to the area which is prone to damage by cleaning. <IMAGE>

IPC 1-7

F01D 5/14

IPC 8 full level

F01D 9/02 (2006.01); **F01D 5/14** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

F01D 5/147 (2013.01); **F02B 3/06** (2013.01)

Citation (search report)

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- [A] US 4976587 A 19901211 - JOHNSTON J FORD [US], et al
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Designated contracting state (EPC)

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