

Title (en)
SPLIT-LINE STATOR VANE ASSEMBLY

Title (de)
STATORSCHAUFELANORDNUNG MIT TRENNLINIE

Title (fr)
ENSEMBLE AUBE DE STATOR À LIGNE DIVISÉE

Publication
EP 4095353 A1 20221130 (EN)

Application
EP 22173727 A 20220517

Priority
• IN 202111023487 A 20210526
• US 202117389562 A 20210730

Abstract (en)
A compressor section (14) includes a compressor casing (48) that has an upper casing portion (60) coupled to a lower casing portion (62) such that a split-line (64) is defined between the upper casing portion (60) and the lower casing portion (62). A split-line stator vane assembly (70) includes a first split-line stator vane (76) that has a first shank (75) with a first platform portion (84) and a first mounting portion (86) that extends radially outward of the first platform portion (84). A first airfoil (88) extends radially inward of the first platform portion (84). The first platform portion (84) includes a protrusion (80) that extends circumferentially beyond the split-line (64). A second split-line stator vane (78) has a second shank (79) with a second platform portion (94) and a second mounting portion (96) that extends radially outward of the second platform portion (94). A second airfoil (88) extends radially inward of the second platform portion (94). The second platform portion (94) includes a recess (82) that extends circumferentially away from the split-line (64).

IPC 8 full level
F01D 9/04 (2006.01); **F01D 25/24** (2006.01); **F01D 25/26** (2006.01); **F04D 29/54** (2006.01)

CPC (source: CN EP)
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Citation (search report)
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• [X] US 2009185899 A1 20090723 - BOUCHARD GUY [CA], et al
• [A] US 2010266399 A1 20101021 - HANSEN CHRISTIAN M [US], et al
• [A] US 5788456 A 19980804 - MAIER WILLIAM C [US]

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