

Title (en)
Shroud assembly for a turbomachine

Title (de)
Deckbandanordnung für eine Turbomaschine

Title (fr)
Ensemble d'une virole pour une turbomachine

Publication
EP 2090748 A3 20100519 (EN)

Application
EP 09152448 A 20090210

Priority
US 3031708 A 20080213

Abstract (en)
[origin: EP2090748A2] A rotating assembly (31) for a turbomachine (2) includes a plurality of rotating members (46) that extend radially outward from a central hub (47). Each of the plurality of rotating members (46) includes a base portion (48) detachably mounted to the central hub (47), a tip portion (49), a mid-span portion (50) that extends between the base portion (48) and the tip portion (49), and a shroud portion (60, 70) positioned at one of the tip portion (49) and the mid-span portion (50). The shroud portion (60, 70) includes a pressure side (73) and a suction side (72). At least one hard face interface member (100, 120) is secured to at least one of the suction side (72) and the pressure side (73) of the shroud portion (60, 70). The at least one hard face interface member (100, 120) is both mechanically interlocked with, and metallurgically bonded to, the shroud portion (60, 70).

IPC 8 full level
F01D 5/22 (2006.01)

CPC (source: EP US)
F01D 5/225 (2013.01 - EP US)

Citation (search report)

- [X] US 5083903 A 19920128 - ERDMANN OMER D [US]
- [A] US 6164916 A 20001226 - FROST AARON TODD [US], et al

Cited by
FR3085419A1; WO2020049252A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

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EP 2090748 A2 20090819; EP 2090748 A3 20100519; US 2009202344 A1 20090813

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