

Title (en)
Low-ductility turbine shroud

Title (de)
Turbinenummantelung mit geringer Leitfähigkeit

Title (fr)
Carénage de turbine à faible ductilité

Publication
EP 2631434 A3 20170726 (EN)

Application
EP 13156445 A 20130222

Priority
US 201213402616 A 20120222

Abstract (en)
[origin: EP2631434A2] A shroud segment (118) for a gas turbine engine, the shroud segment constructed from a composite material including reinforcing fibers embedded in a matrix, and having a cross-sectional shape defined by opposed forward and aft walls (124,126), and opposed inner and outer walls (120,122), the walls extending between opposed first and second end faces, wherein the inner wall defines an arcuate inner flowpath surface; and wherein a compound fillet (119) is disposed at a junction between first and second ones of the walls, the compound fillet including first and second portions (119A,119B) the second portion having a concave curvature extending into the first one of the walls.

IPC 8 full level
F01D 11/24 (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP)
F01D 25/246 (2013.01); **F01D 11/24** (2013.01); **F05D 2240/11** (2013.01); **F05D 2300/6033** (2013.01)

Citation (search report)
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• [Y] EP 1724441 A2 20061122 - GEN ELECTRIC [US]
• [A] EP 1162346 A2 20011212 - GEN ELECTRIC [US]
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