

Title (en)
STATOR VANE HAVING A JUNCTION TUBING

Title (de)
LEITSCHAUFEL MIT EINEM VERBINDUNGSROHR

Title (fr)
AUBE DIRECTRICE COMPRENANT UN TUYAU DE RACCORDEMENT

Publication
EP 3420197 B1 20200205 (DE)

Application
EP 17717143 A 20170411

Priority
• EP 16166430 A 20160421
• EP 2017058628 W 20170411

Abstract (en)
[origin: WO2017182322A1] Guide vane (1) for a turbomachine having, in the properly installed state, an outer platform (2), a blade airfoil (3) protruding from the outer platform, extending in a longitudinal direction and defining a cavity (4) in its interior, and inner platform (5) that is arranged opposite the outer platform and is connected to the blade airfoil, and a connecting tube (6) which passes through the cavity of the blade airfoil in the longitudinal direction, the first free end of which tube being inserted into a through-opening formed in the inner platform and being materially bonded to the inner platform, and the second free end of said tube being arranged in a cooling fluid inlet opening (7) formed on the outer platform, away from the edge thereof, and projecting outward from the outer platform, wherein at least one guide means (9) is attached to the outer platform for the purpose of guiding the connecting tube, this guide means being designed and arranged such that it guides the connecting tube in the longitudinal direction in the event of a thermal change in length.

IPC 8 full level
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CPC (source: EP US)
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