

Title (en)

Turbo machine having an entry stator grill with built-in oil passage tubes.

Title (de)

Statorgitter mit eingebauten Ölleitungen für eine Turbomaschine.

Title (fr)

Turbomachine comportant une grille d'entrée incorporant des tubes de passage d'huile.

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Application

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Priority

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Abstract (en)

The turbo-machine according to the invention has an entry blade grill, of which all the arms (1,1') have the same thickness, including those (1) in which is accommodated an oil passage tubing (13), the special structure of which makes mounting in the arms (1) easier, before these receive their downstream variable-setting movable flap (7) forming the entry guide device. <??>The invention is used on aircraft jet engines with a small mainframe. <IMAGE>

IPC 1-7

F01D 17/16; F01D 25/16

IPC 8 full level

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Citation (search report)

- [AD] FR 2599086 A1 19871127 - SNECMA [FR]
- [AD] FR 2219312 A1 19740920 - GEN ELECTRIC [US]
- [A] US 4034558 A 19770712 - KORTA JOHN, et al
- [A] US 2919888 A 19600105 - SIMMONS WILBUR G
- [A] US 2930579 A 19600329 - BOYD LAWRENCE M, et al
- [A] US 4183207 A 19800115 - LIBERTINI ZOLTAN L [US]
- [A] US 4076452 A 19780228 - HARTMANN MAX
- [A] FR 2526485 A1 19831110 - SNECMA [FR]

Cited by

EP3705686A1; DE4212878A1; EP1149986A3; FR3051854A1; FR3083260A1; FR3064302A1; CN110546350A; US11136894B2; US11319899B2; CN111608750A; EP3967855A1; WO2018172715A1; US11384659B2; FR3093128A1; US11156129B2

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