

Title (en)
Construction of fan blades.

Title (de)
Konstruktion von Ventilatorflügeln.

Title (fr)
Construction des pales d'un ventilateur.

Publication
EP 0040532 A1 19811125 (EN)

Application
EP 81302184 A 19810518

Priority
GB 8016582 A 19800520

Abstract (en)
A cooling fan for an engine or motor is constructed so that the blades, at least, are formed of shape memory material. The construction procedure is such as to cause the material to assume one condition, in which the angle of attack for the blades is relatively low, for temperatures below a threshold value and to assume another condition, in which the angle of attack of the blades is relatively high, for temperatures above the threshold value.

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IPC 8 full level
F04D 29/02 (2006.01); **F01P 7/06** (2006.01); **F04D 29/36** (2006.01); **F04D 29/38** (2006.01)

CPC (source: EP)
F04D 29/368 (2013.01)

Citation (search report)
• GB 1573204 A 19800820 - DELTA MATERIALS RESEARCH LTD
• FR 2351446 A1 19771209 - DELTA MATERIALS RESEARCH LTD [GB]
• US 3764227 A 19731009 - ALBERTZART R
• DE 2112261 A1 19720914 - BATTELLE INSTITUT E V
• Machine Design, Vol. 51, October 1979, Nr. 24 Cleveland, US D.T. CURRY: "New uses for Metals that Remember", pages 113-117 * pages 114,115
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