

Title (en)  
Propeller

Title (de)  
Propeller

Title (fr)  
Hélice

Publication  
**EP 2261113 A3 20120718 (DE)**

Application  
**EP 10005674 A 20100601**

Priority  
DE 102009024845 A 20090609

Abstract (en)  
[origin: EP2261113A2] The propeller has propeller blades (5) fastened to a central support body (1) by a blade shoe (10), where cross section of the blades are tapered in a base region with increasing radial distance from a support body. The blade shoe is fastened to the support body by screws, where space between the blade shoe and the base region are filled with adhesive resin. The support body and the blade shoe are made of metal, and the propeller blades are made of a composite material such as carbon-fiber-reinforced plastic.

IPC 8 full level  
**B63H 1/14** (2006.01); **B63H 1/20** (2006.01); **B63H 1/26** (2006.01)

CPC (source: EP KR)  
**B63H 1/14** (2013.01 - EP KR); **B63H 1/20** (2013.01 - EP KR); **B63H 1/26** (2013.01 - EP KR)

Citation (search report)

- [XYI] DE 202008010810 U1 20081030 - SCHLEMENAT ALFRED W [DE]
- [YA] DE 2638683 A1 19770331 - HAWKER SIDDELEY DYNAMICS LTD
- [A] US 5074754 A 19911224 - VIOLETTE JOHN A [US]
- [A] WO 0066429 A1 20001109 - UNITED TECHNOLOGIES CORP [US]
- [A] US 2005226724 A1 20051013 - STAHL BRADFORD C [US]
- [A] DE 19936948 C1 20010125 - MUELLER PETER [CH]
- [A] WO 9308017 A1 19930429 - UNITED TECHNOLOGIES CORP [US]
- [A] DE 71360 C

Cited by  
CN105966582A; WO2016131877A1; US10486785B2; WO2018075217A1; WO2018075163A1

Designated contracting state (EPC)  
AL 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 SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2261113 A2 20101215; EP 2261113 A3 20120718; EP 2261113 B1 20140219**; DE 102009024845 A1 20101216; ES 2464346 T3 20140602; KR 101496869 B1 20150227; KR 20100132462 A 20101217; KR 20130081267 A 20130716; PL 2261113 T3 20141128

DOCDB simple family (application)  
**EP 10005674 A 20100601**; DE 102009024845 A 20090609; ES 10005674 T 20100601; KR 20100054036 A 20100608; KR 20130070731 A 20130620; PL 10005674 T 20100601