

Title (en)  
BLADE MANUFACTURE

Title (de)  
HERSTELLUNG VON KLINGEN

Title (fr)  
FABRICATION DE PALE

Publication  
**EP 4291392 A1 20231220 (EN)**

Application  
**EP 22705116 A 20220210**

Priority  
• GB 202101990 A 20210212  
• GB 2022050362 W 20220210

Abstract (en)  
[origin: WO2022172011A1] A blade, such as for a wind turbine generator, comprises first (18) and second (22) shells, and an internal shear web (12) spanning between the first (18) and second (22) shells. During manufacture, the shear web (12) is firstly bonded into the first shell (18). Next, adhesive (20) is applied to a flange (14) of the shear web (12) and to the leading edge and trailing edge of the first shell (18). The second shell (22) is united with the first shell (18) and bond lines of the adhesive (20) are formed along the shear web flange (14), leading edge and trailing edge. The blade assembly is heated to cure the adhesive (20), and a monitoring device (30) within the blade monitors displacement of the second shell (22) with respect to the shear web (12) while the adhesive (20) cures.

IPC 8 full level  
**B29C 65/48** (2006.01); **F03D 1/06** (2006.01); **B29K 307/04** (2006.01); **B29K 309/08** (2006.01); **B29L 31/08** (2006.01)

CPC (source: EP)  
**B29C 65/4835** (2013.01); **B29C 66/112** (2013.01); **B29C 66/1122** (2013.01); **B29C 66/131** (2013.01); **B29C 66/342** (2013.01); **B29C 66/524** (2013.01); **B29C 66/543** (2013.01); **B29C 66/61** (2013.01); **B29C 66/636** (2013.01); **B29C 66/721** (2013.01); **B29C 66/92311** (2013.01); **B29C 66/92615** (2013.01); **B29C 66/7212** (2013.01); **B29C 66/9121** (2013.01); **B29L 2031/082** (2013.01); **B29L 2031/085** (2013.01); **F03D 1/0675** (2013.01); **F05B 2230/604** (2013.01)

Citation (search report)  
See references of WO 2022172011A1

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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**GB 2022050362 W 20220210**; EP 22705116 A 20220210; GB 202101990 A 20210212