#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





## (43) International Publication Date 16 May 2002 (16.05.2002)

### **PCT**

# (10) International Publication Number WO 02/038952 A3

(51) International Patent Classification<sup>7</sup>: E04H 12/00, F03D 1/06

Patrick, C.; 4426 Tibbs Street, Shreveport, LA 71105 (US).

- (21) International Application Number: PCT/US01/42931
- (22) International Filing Date:

9 November 2001 (09.11.2001)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 09/711,211

0.37 1

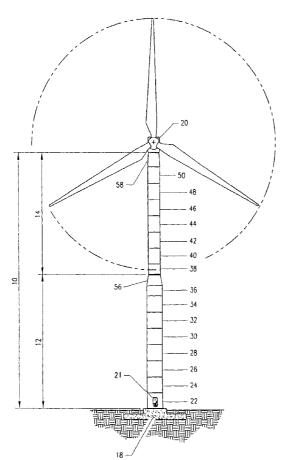
9 November 2000 (09.11.2000) U

- (71) Applicant: BEAIRD INDUSTRIES, INC. [US/US]; 601 Benton Kelly Street, Shreveport, LA 71106-7198 (US).
- (72) Inventors: MALISZEWSKI, Leonard, P.; 9901 Bayou Bend Drive, Shreveport, LA 71115 (US). LASHLEY,

- (74) Agent: BORSARI, Peter, A.; Borsari & Associates, Suite 206, 2001 Jefferson Davis Highway, Arlington, VA 22202 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

[Continued on next page]

(54) Title: WIND TOWER



**(57) Abstract:** A tower for a wind generator made up of a plurality of sections to which are affixed a purality of conical transition rings, a plurality of L-shaped flanges and a T-shaped flange.

WO 02/038952 A3



IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

### (88) Date of publication of the international search report: 1 August 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/42931

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : E04H 12/00; F03D 1/06  US CL : 52/726.1; 52/736.4; 290/44  According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 52/726.1; 52/732.1; 52/736.4; 290/44; 52/40; 52/296			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
Α	US 4,565,929 A (Baskin et al.) 21 January 1986, Entire Document		1-18
Α	US 4,272,929 A (Hanson) 16 June 1981, Entire Document		1
Α	US 5,819,487 A (Bull et al.) 13 October 1998, Entire Document		1-10
Α	US 4,166,347 A (Pohlman et al.) 4 September 1979, Entire Document		1-11
			ļ
•			
Further	documents are listed in the continuation of Box C.	6	
Further documents are listed in the continuation of Box C.  See patent family annex.  * Special categories of cited documents: "T" later document published after the international filing date or			
"A" document defining the general state of the art which is not considered to "priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			the application but cited to
be of particular relevance  "X"  document of particular relevance; the claimed invention cannot be			
"E" earlier ap date	plication or patent published on or after the international filing	considered novel or cannot be considered when the document is taken along	ered to involve an inventive
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"O" document	document referring to an oral disclosure, use, exhibition or other means		
priority d	document published prior to the international filing date but later than the priority date claimed document member of the same patent family		·
		Date of mailing of the international search report 14 JUN 2002	
			U.G.
Name and mailing address of the ISA/US  Commissioner of Patents and Trademarks  Authorized officer			1
		Basil Katcheves	100
Facsimile No. (703)305-3230 Telephone No. (703) 306-0232			
DOT/ICA	1/210 /1 1 · · · · /I 1· · 1000		

Form PCT/ISA/210 (second sheet) (July 1998)