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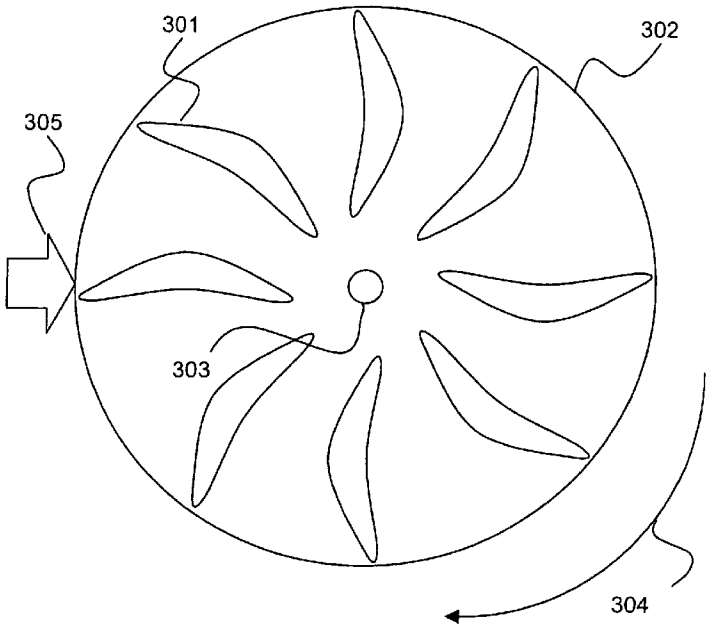
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(54) Title: VERTICAL WINDMILLS AND METHODS OF OPERATING THE SAME




(57) Abstract: A vertical windmill is provided including airfoils each having a leading edge, a trailing edge, a first surface between the leading edge and the trailing edge and a second surface between the leading edge and the trailing edge, where a thickness of each airfoil is defined between the two surfaces of each airfoil, and where each airfoil is symmetric about a plane intersecting both surfaces. Methods for operating vertical windmills are also provided.

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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)
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No |
|---|---|---|
| X<br>----<br>Y | US 5,380,149 A (Valsamidis) 10 January 1995 (10.01.1995). Column 11, lines 46-49 Column 12, lines 46-54. Figures 1, 1c, 2, 2b, 3, 6, 6c | 1-3, 5, 7, 9-12, 19, 22<br>----<br>4, 6, 8, 13-16, 17, 18, 20, 21, 28-29 |
| X<br>----<br>Y | US 2006/0257240 A1 (Naskali, et al) 16 November 2006 (16.11.2006). Paragraph [0042], [0052]. Figure 1, 1c, 2. | 24, 26, 27<br>----<br>4, 6, 8, 25 |
| X<br>----<br>Y | US 189,146 A (Stata) 3 April 1877 (03.04.1877). Page 1, column 1, paragraph 4. Page 1, column 1, paragraph 5. Page 1, column 2, paragraph 6. | 23<br>----<br>17, 25, 28-29 |
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| Y | US 5,463,257 A (Yea) 31 October 1995 (31.10.1995). Abstract. Column 4, lines 2-6, column 5, lines 56-58 Figure 2b. | 14-16, 20-21 |
| Y | US 6,364,609 B1 (Barnes) 2 April 2002 (02.04.2002). Column 6, line 34-36 | 18 |

| | Further documents are listed in the continuation of Box C. | |
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