

Abstract

A wind blade structure includes a wind blade frame (3), wind blade shafts (5, 6, 24) provided in the wind blade frame (3), movable blades (4) and blade stoppers (23). The
5 blade stoppers (23) are projecting elements on the wind blade frame (3) or the wind blade shafts (5, 6, 24) for blocking the movable blades (4) from rotating when the movable blades (4) rotate to a position where they overlap with the wind blade frame (3). The areas of two portions of the movable blade (4) on both sides of the wind blade shaft (5, 6, 24) are not equal. A wind power generating apparatus is also disclosed, comprising at
10 least one wind wheel mechanism rotating around its rotary shaft (2). The wind wheel mechanism includes at least one wind blade structure. The wind power generating apparatus and the wind blade structure may endure the impact of a strong wind without being damaged easily.