

**ROTARY BLADE, ROTATING DEVICE, AND POWER GENERATION
DEVICE**

ABSTRACT

This wind power generation device includes a
5 plurality of rotary blades 15 around a rotation axis. Each
rotary blade 15 includes a front blade surface 16 parallel
to the rotation axis and curved so as to protrude frontward
in a rotation direction, and a rear blade surface 17
located on the back side of the front blade surface 16,
10 being parallel to the rotation axis, being curved so as to
be concave frontward in the rotation direction, and having
a smaller curve depth than the front blade surface 16.
The front blade surface 16 includes a first curved surface
19 forming a part far from the rotation axis and formed
15 frontward in the rotation direction from an outer end 21
of the rotary blade 15, and a second curved surface 20
forming a part close to the rotation axis L1 and formed
rearward in the rotation direction from a crest 18 of the
front blade surface 16 so as to connect to an inner end
20 22, a surface length thereof in a plan view being smaller
than that of the first curved surface 19. The first curved
surface 19 has recesses 23 at positions closer to the outer
end 21 than to the crest 18 of the front blade surface 16.
Thus, a rotary blade that rotates by receiving a fluid and
25 can improve rotation efficiency, is provided.

<Fig. 4>