

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-358
Item to be Scouted	Wind Turbine Generation Tower
Days to be scouted	30
Response Due By	12/20/2024
Description	Wind Turbine Generation Tower roll 3/8 to 1/2 inch thick steel to 20 foot diameter, weld and paint. The tower height is 265 feet. Per Fig's 12 and 13 of attached patent, two or three of the sections will be welded cones in the shop. The lower sections will be shipped in quarters, bolted in the field.
Notify Requester Immediately	Yes
State item to be used in	Pennsylvania

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	New product startup
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<p>Process of rolling/bending tower sections for 21st Century Wind turbine generator's 300-foot-high CONICAL tower.</p> <ul style="list-style-type: none"> • Per the attached drawings, this tower will be comprised of half-a dozen or so lengths. The diameter of the top cylinder will be approximately 18 feet. When field assembled, the diameter of the bottom length which will be bolted to the foundation, will be approximately 26 feet in diameter. Per the drawings, we are calling the 6 to 8 "lengths" those differentiated by the horizontal lines. • The top length will be what the nacelle is placed on, along with the yaw bearing. That length will be comprised of two or three sections, which are welded into a cylinder shape by the fabricator. Each section will be painted per the paint spec provided. • The half-a-dozen or so lengths below that will be comprised of three, four or five sections. Each section will be comprised of three or four plates, approx. 10 feet long, which will be welded together into sections. the curved section may be formed either on a brake, or a roller. • We seek existing metal fabrication shop(s) that can fabricate, weld and paint those component sections for field assembly.
Provide dimensions / size / tolerances / performance specifications for the item	3/8 to 1/2 inch thick steel to 20 foot diameter. 265 foot field assembled tower.
List required materials needed to make the product, including materials of product components	Paint, Carbon Steel
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
NAICS 1	332312 Fabricated structural metal manufacturing
NAICS 2	332313 Plate work manufacturing

Additional Technical Comments	Per drawings in the patent, there will be numerous metal components needed in the nacelle.
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Section 4: Business Information

Estimated potential business volume	Up to 200 units per year. Business plan can be provided upon request
Estimated target price / unit cost information (if unavailable explain)	Quotations to be received after drawings sent
When is it needed by?	Quotations needed 1st qtr 2025
Describe packaging requirements	Truck shipment from plant to jobsite
Where will this item be shipped?	Western PA

Additional Comments

Is there other information you would like to include?	
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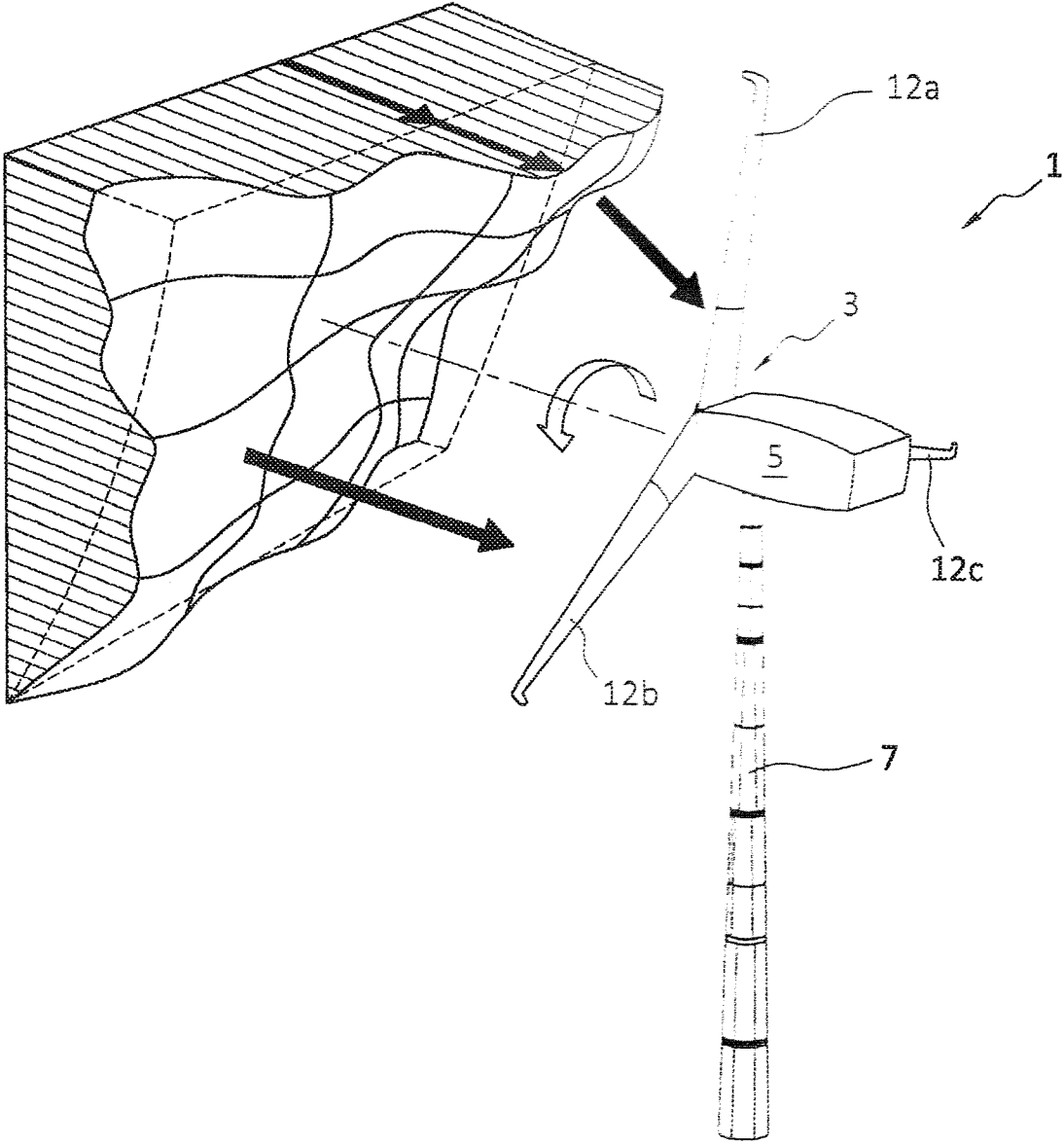


FIG. 12A

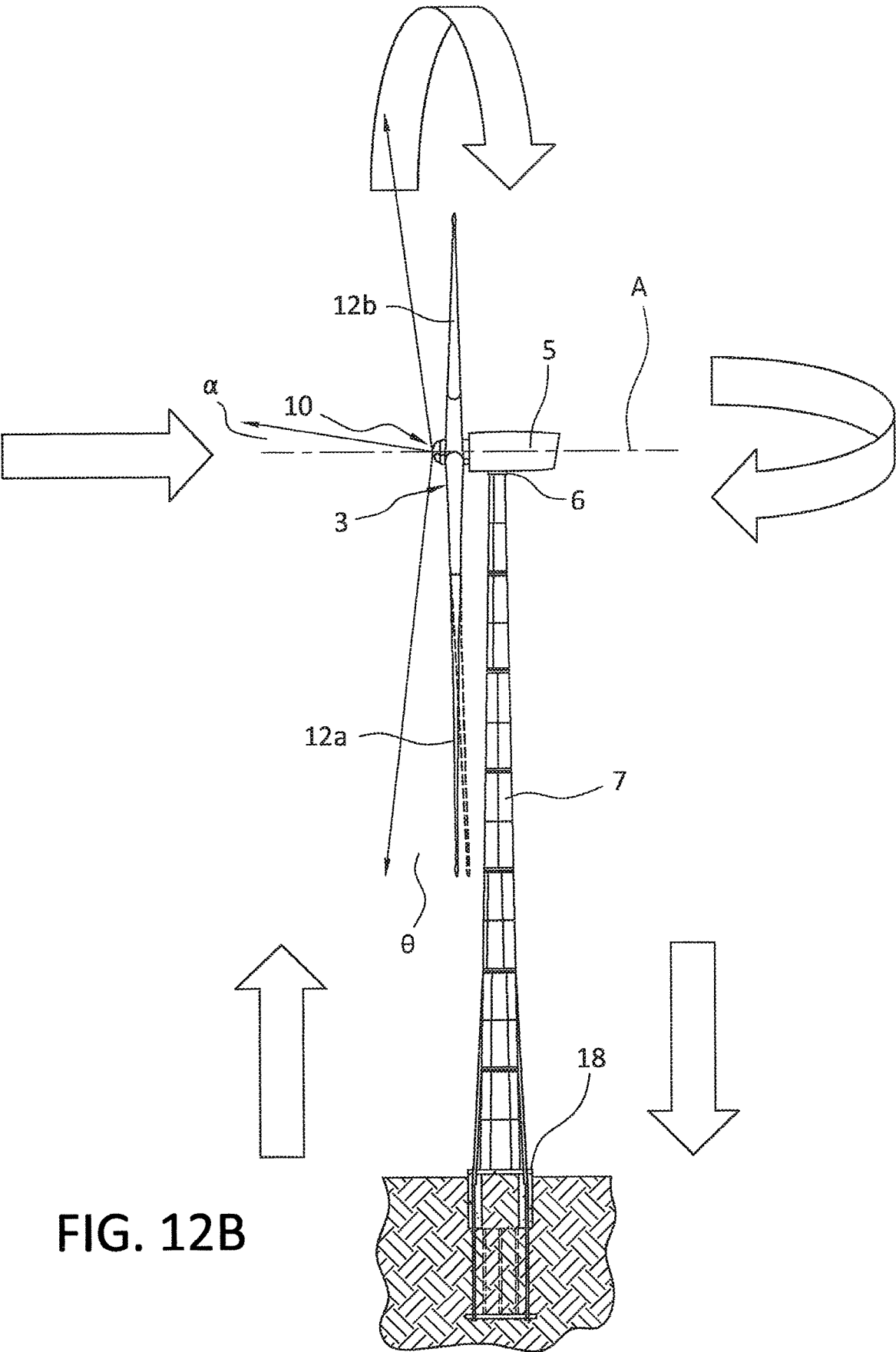


FIG. 12B