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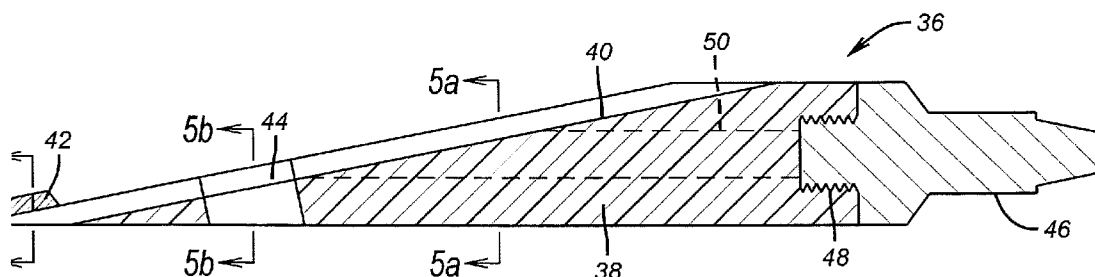
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(54) Title: NON-METALLIC WHIPSTOCK



(57) Abstract: A whipstock that is totally to substantially non-metallic is made preferably form a composite material. The body can include one or more stiffeners that are also preferably non-metallic. The mounting lug for the window mill can also be non-metallic. A metallic base can be uses to connect to an anchor. Optionally the ramp can include a plate that is optionally internally supported. Alternatively the ramp can include hardened inserts or other wear resistant material. Composite materials that can me molded are preferred.

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