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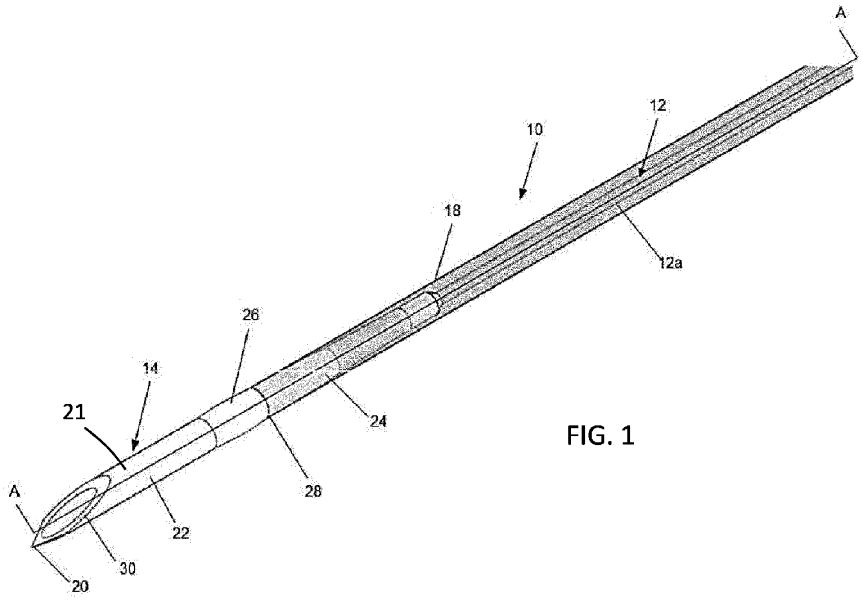

FIG. 1

(57) Abstract: A needle assembly (1400), such as a catheter assembly, having a needle shaft (12) with a needle tip (14) formed from a first rigid material for puncturing a subject. The shaft section (12), proximal of the needle tip (14) can be formed from a second material different from the first material. The needle tip (14) is attached to the needle shaft (12) to form the needle (10). The first material can have higher rigidity than the second material and the needle (10) can project through a catheter tube (18) and used in a catheter assembly.

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WO 2021/219867 A1

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