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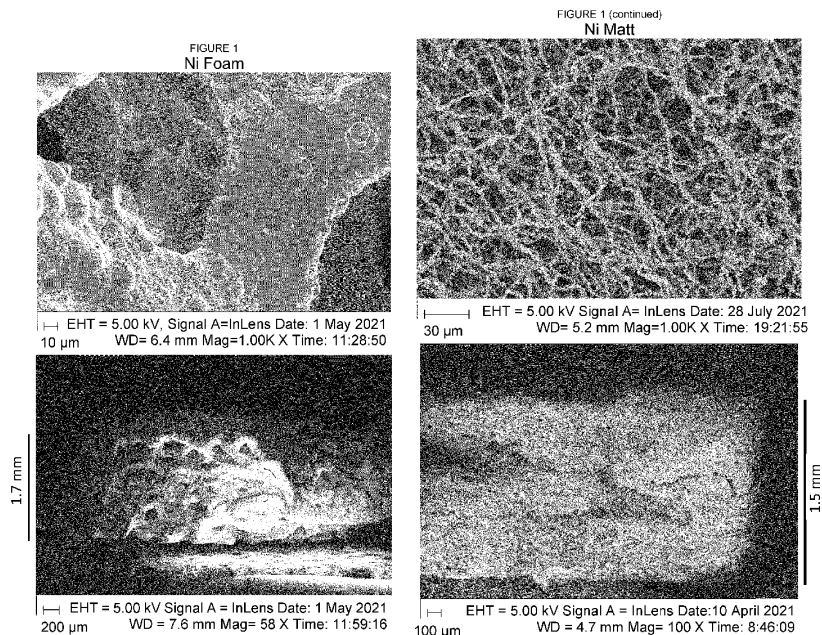
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(54) Title: PROCESS FOR PREPARING POROUS METAL FIBRE MATS



(57) Abstract: The present invention relates to a process for preparing a porous metal fibre mat comprising providing a slurry comprising particles selected from metal particles, metal compound particles, or combinations thereof, and a polymer carrier in a solvent, electrospinning the slurry to fabricate a composite fibre mat, and heating the composite fibre mat to produce the porous metal fibre mat. The present invention also relates to a porous metal fibre mat having a specific surface area of at least 500 cm<sup>-1</sup> and a thickness of at least 0.05 mm, and uses of the same as an electrode, a catalyst, a catalyst support, or a filtration material.

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