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(54) Title: **ENGINEERED MUSCLE**



(57) Abstract: A muscle implant includes an extracellular matrix, tendon and muscle cells. The extracellular matrix is made of a matrix of electroaerosol and/or electrospun polymer droplets. Cardiac and smooth muscles may be formed by depositing an extracellular matrix onto a mandrel, the extracellular matrix comprising a polymer helically wound around the mandrel at predetermined pitches.

WO 01/15754 A1