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**Al-Shannag et al.**

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(54) **MACHINE FOR DEFORMING AND CUTTING PLASTIC STRIPS FOR ENHANCING CONCRETE**

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See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 235 days.

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(57) **ABSTRACT**

A machine for deforming and cutting plastic strands of recycled plastic for use as a secondary reinforcement in concrete includes a multi-strand supply of recycled plastic and a mechanism for advancing the multi-strands into and through the machine. The advancing mechanism may be several sets of motor driven roller sets each of which is connected to a common motor by a belt. The machine includes three sets of deformation mechanisms, a heater for softening the deformed strands and a cutter powered by a separate motor for cutting the softened plastic strands.

(58) **Field of Classification Search**  
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