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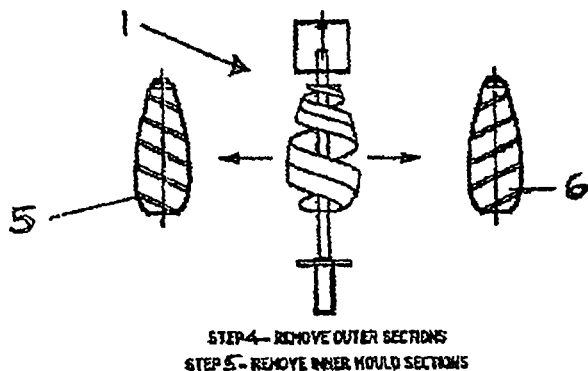
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(54) Title: VEHICLE MOUNTED CONCRETE MIXING DRUM AND METHOD OF MANUFACTURE THEREOF

(57) Abstract: A method of manufacture of a vehicle
mounted rotary concrete mixing drum of the type having an
opening at one end for receiving and/or discharge of concrete
therefrom and at the other end, means for engaging a drive
assembly so as to rotate the drum for mixing or discharging
concrete. The drum is manufactured from at least one mould
using at least plastics material and further includes integrally
attached vanes outstand from the internal surface of the drum
forming an archimedian spiral disposed such that when the
drum is rotated in a first direction, the concrete contents are
mixed and when the drum is rotated in a second direction the
contents are discharged from the drum; wherein, the method
comprises the steps of; a) preparing a first generally helical
inner mold part containing a surface extending between first
and second helical edges; b) mounting the first helical innermould part on a support c) enclosing the inner helical mold assembly within an outer mould formed by at least one outer mold
part; d) fitting a second mating inner helical mold part to the first inner mould part to form an inner mold assembly; e) injecting
a polyurethane elastomer into a cavity defined by said inner mold assembly and the outer mould assembly to form an inner wall
element comprising one half of an interior wall of the mixer and one helical blade; f) allowing said polyurethane to cure; g) removing
said at least one outer mold parts to expose said inner wall element; h) removing said inner wall element one said inner molds;

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