

Title (en)
METHOD TO ROUGH SIZE COATED COMPONENTS FOR EASY ASSEMBLY

Title (de)
METHODE ZUR HERSTELLUNG VON PASSGENAUEN FORMTEILEN DURCH ABSCHLIFF EINER ÜBERSCHÜSSIGEN BESCHICHTUNG

Title (fr)
PROCEDE D'APPLICATION D'UN ENDUIT GROSSIER SUR DES COMPOSANTS POUR FACILITER LEUR ASSEMBLAGE

Publication
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Application
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Priority
US 0202206 W 20020123

Abstract (en)
[origin: WO03061852A1] A method for coating surfaces of a screw machine. The method includes the steps of providing at least one of a plurality of screw machine components including a rotor housing having at least a pair of parallel, overlapping bores; at least a conjugate pair of intermeshing rotors located in the bores, wherein each of the rotors has helical lobes having radially outward tip portions and intervening radially inward root portions; rough coating a surface of at least one of the plurality of components with a conformable coating, wherein the coating is substantially unevenly applied to the surface and has variable thickness over said surface; and leveling the conformable coating to a substantially uniform thickness prior to final assembly of the plurality of components, the substantially uniform thickness selected to ease assembly of the components, while maintaining coating performance criteria.

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