

A METHOD FOR AUTOMATICALLY DETERMINING A FINISHING RECIPE OF A MANUFACTURED COMPONENT

ABSTRACT

The present relates to a method for automatically determining a finishing recipe of a manufactured component. A non-finished 3D model, consisting in a 3D representation of the manufactured component at a non-finished stage, is received at a computer. And a finished 3D model, consisting in a 3D representation of the manufactured component at a finished stage, is received. The non-finished 3D model and the finished 3D model are further processed, to calculate a finishing recipe of one or more tool(s). The tool performs a finishing operation according to the finishing recipe on the manufactured component at the non-finished stage, to obtain the manufactured component at the finished stage. The finishing recipe may include a trajectory of the tool(s), an operational parameter(s) of the tool(s). The manufactured component may consist in a blade. The finishing operation may consist in profiling, polishing, tri-blending, weld blending, twist and bow.

(Figure 1)