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(56) Cited documents: EP 2353769 A1 · US 20060096964 A1 · US 20040004061 A1 · US 5902499 A · WO 2009047350 A1 · WO 2012037694 A2

(57) Abstract:

A method for manufacturing an airfoil is provided, the method including drilling a hole in a near wall of the airfoil using a laser drill and activating a back strike protection in a cavity of the airfoil. The method additionally includes detecting a breakthrough of a laser from the laser drill through the near wall of the airfoil and subsequently initiating a drilling subroutine, with the drilling subroutine including a continued operation of the laser drill. Such a method may provide for an improved hole, such as a cooling passage, in the airfoil.

