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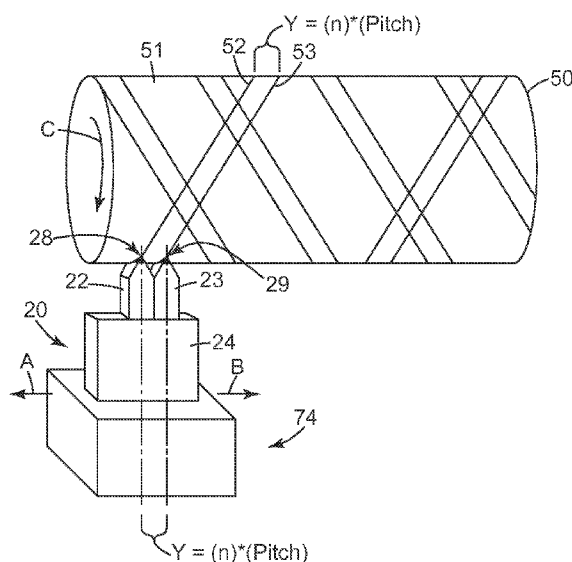
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(54) Title: METHODS FOR MAKING MICROREPLICATION TOOLS

**Fig. 1**

(57) Abstract: A method for cutting a pattern in a work piece (50), wherein the pattern includes adjacent features (52,53) separated by a pitch spacing P. The method includes providing a cutting tool assembly (74) having a first tool shank with a first cutting tip (22) to create a first feature (52) in the work piece (50) and a second tool shank with a second cutting tip (23) to create a second feature (53) in the work piece (50), wherein a distance Y between the first cutting tip and the second cutting tip is equal to nP, and wherein n is an odd integer greater than 1. The work piece is rotated (C) with respect to the cutting tool assembly (74), and the cutting tool is advanced along a lateral direction (B) with respect to the rotating work piece (50), wherein the cutting tool (74) is advanced along the lateral direction a distance of 2P for each rotation of the work piece (50).



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