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Goodis

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(54) **ENDODONTIC FILES AND OBTURATOR DEVICES AND METHODS OF MANUFACTURING SAME**

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(57) **ABSTRACT**

An endodontic file, or a series of endodontic files, and an endodontic obturator or series of obturators, and methods of manufacturing same. Regarding the endodontic files, they may include a file body extending from a tip region to a shank region, at least one helical flute extending from the tip region towards the shank region. Each helical flute may have an up-sharp cutting edge without a land. For one such set of endodontic files, there is included at least a first and a second file, each one of the files having a tip and a shank, the first file having a tip size that is substantially the same as a tip size of the second file, wherein the first file has a different taper configuration relative to the taper configuration of the second file. The taper configurations of each one of the first and second files include at least two different rates of taper, the taper configurations of each one of the first and second files arranged such that at least one rate of taper closer to the shank of the file is smaller than at least one rate of taper closer to a tip of the file.

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433/165, 224

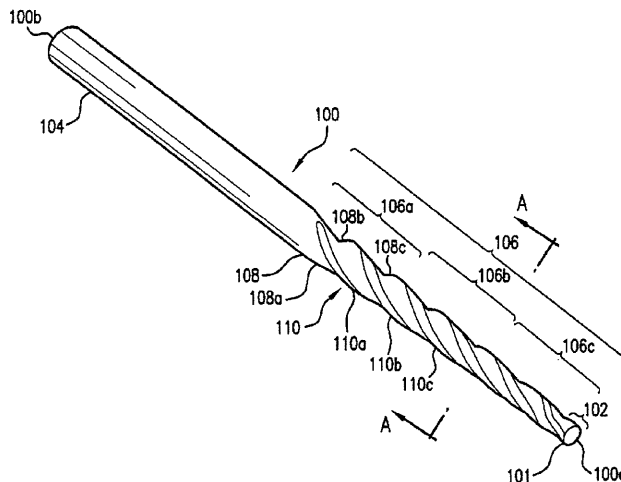
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