

- [54] GRINDING DEVICE
- [75] Inventor: Mohammad Afshar, Dublin, Ireland
- [73] Assignee: Institute for Industrial Research and Standards, Dublin, Ireland
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- [58] Field of Search 51/219 R, 289 R, 181 R, 51/241 G, 173

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Primary Examiner—Harold D. Whitehead
 Attorney, Agent, or Firm—Holman & Stern

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[57] ABSTRACT

A hand held grinding device for sharpening drill bits comprises a pair of bearing members which rotatably support a grinding wheel fast on a shaft. Portion of the shaft is engagable with the chuck of a drill. A guide plate with grooves for various size ranges of drill bits is hingedly connected to the bearing members by a plastics hinge. The grooves direct the drill bit to the grinding wheel at an angle of 59°. By pivoting the guide plate relative to the bearing members, the trailing portion of the cutting edge of the drill bit is relieved.

11 Claims, 7 Drawing Sheets

