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(54) **BENDING DIE HAVING SURFACE MICROSTRUCTURES AND BENDING PUNCH THEREOF**

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See application file for complete search history.

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(57) **ABSTRACT**

Provided are a bending die having surface microstructures and a bending punch thereof applicable to stamping processing to bend a blank to form a shape. The bending die includes a lower die, an upper die, and a workpiece placing piece. The lower die includes a die, and the die includes a forming surface. The upper die includes a bending punch, the bending punch stamps a blank placed on the die in a back and forth stroke, and the bending punch includes a working portion coming into contact with the blank during stamping. The workpiece placing piece is disposed between the upper die and the lower die and used to position or/and press the blank placed on the die. A plurality of microstructures are disposed on the forming surface and/or on the surface of the working portion.

8 Claims, 9 Drawing Sheets

