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**Padi et al.**

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(54) **PROCESSES FOR THE PREPARATION OF SITAGLIPTIN AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF**

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**C07D 471/00** (2006.01)

(52) **U.S. Cl.** ..... **544/350**

(58) **Field of Classification Search** ..... **544/350**  
See application file for complete search history.

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(57) **ABSTRACT**

There is provided an improved process for the preparation of Sitagliptin of Formula II by reduction of compound of Formula VIII to Formula IX followed by deprotection of Formula IX to afford Sitagliptin of Formula II.

**6 Claims, 33 Drawing Sheets**

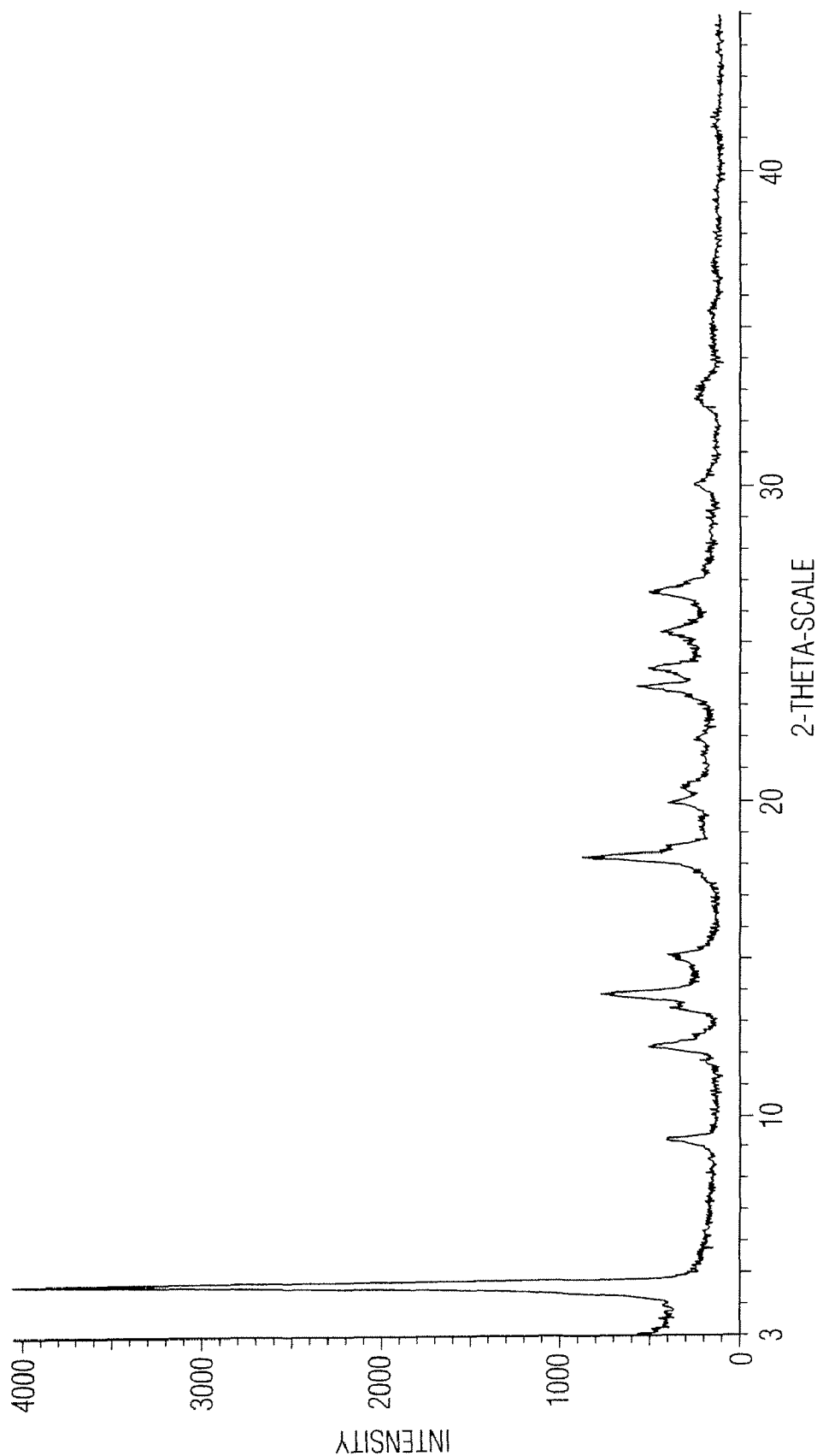


FIG. 1

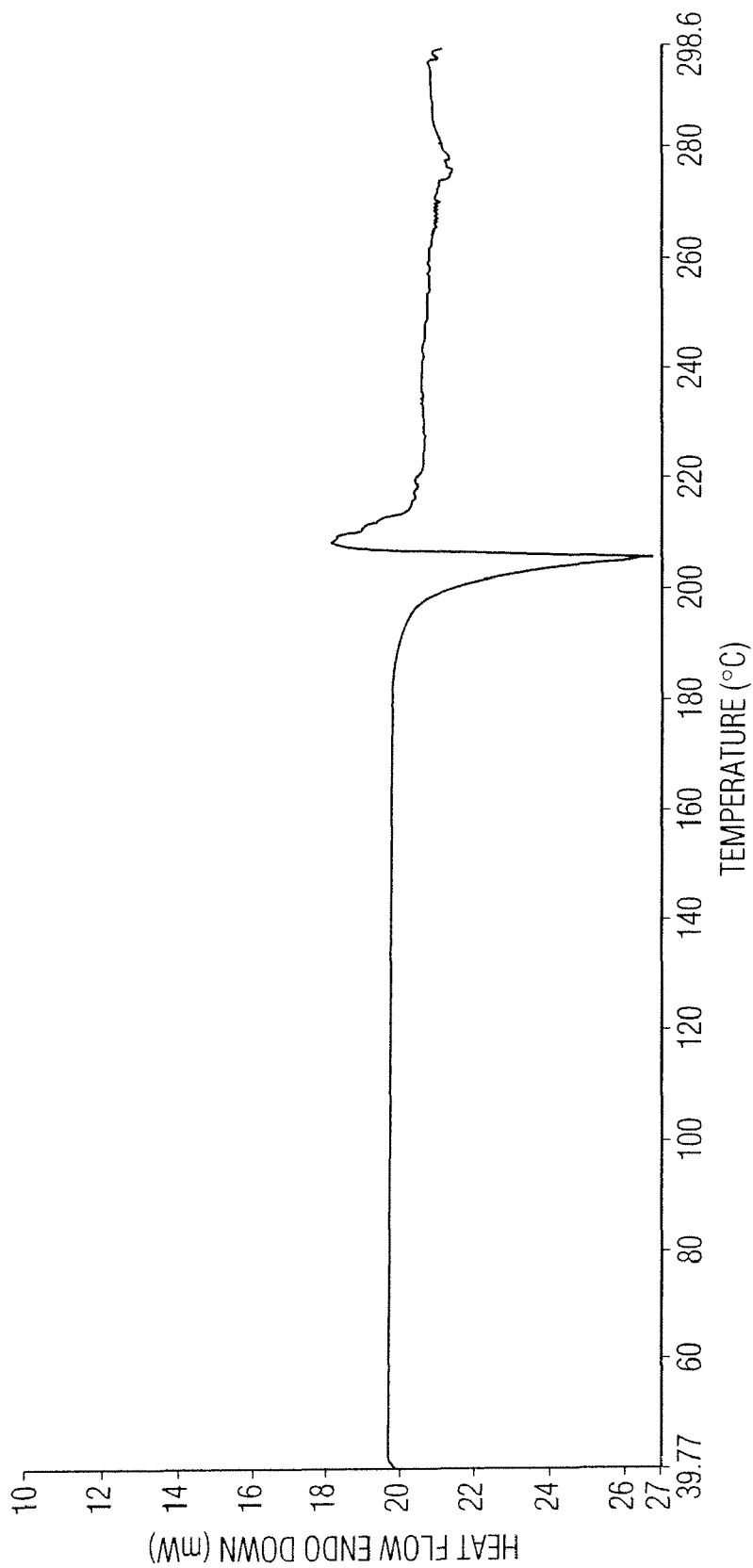


FIG. 2

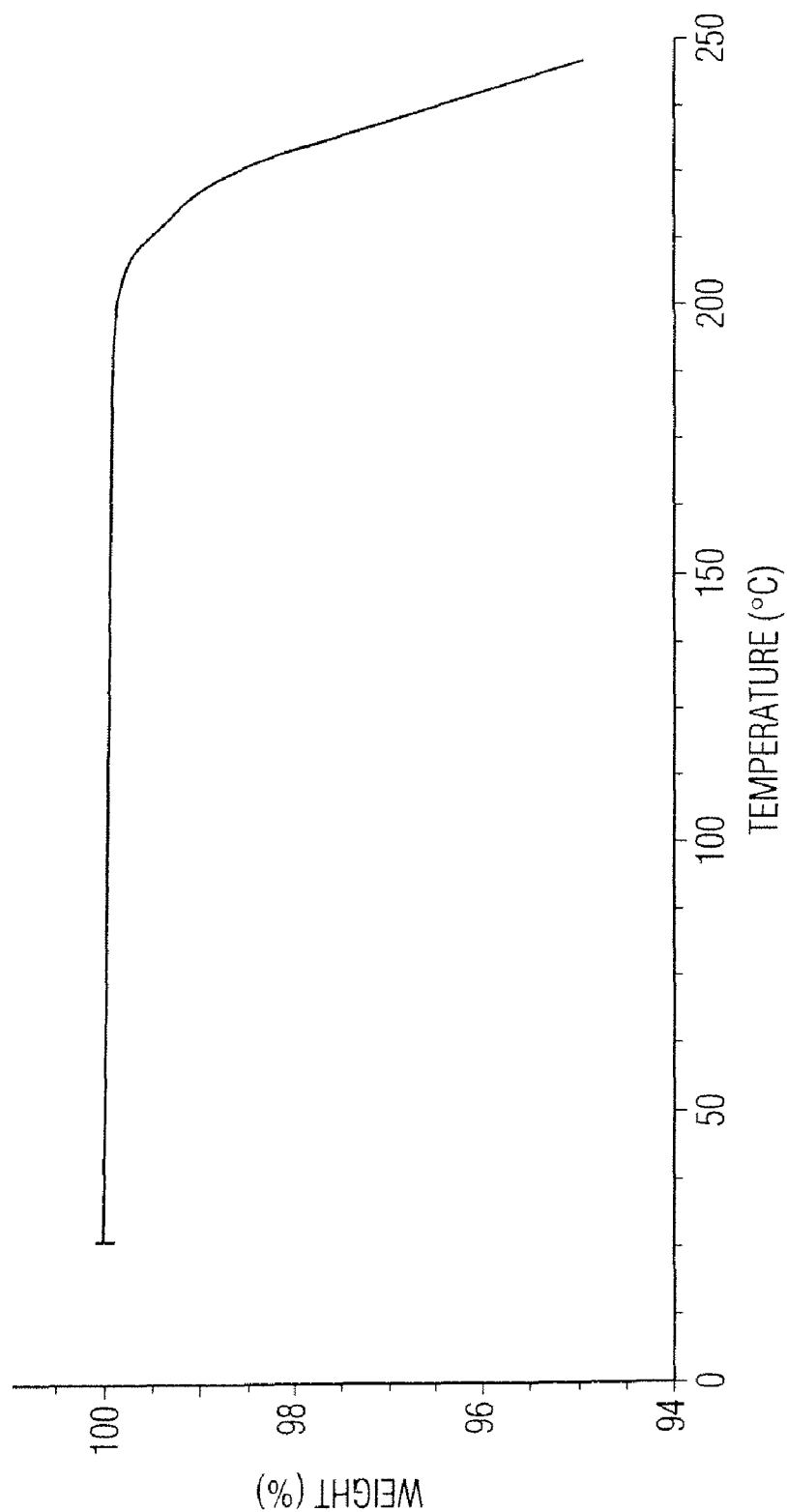


FIG. 3

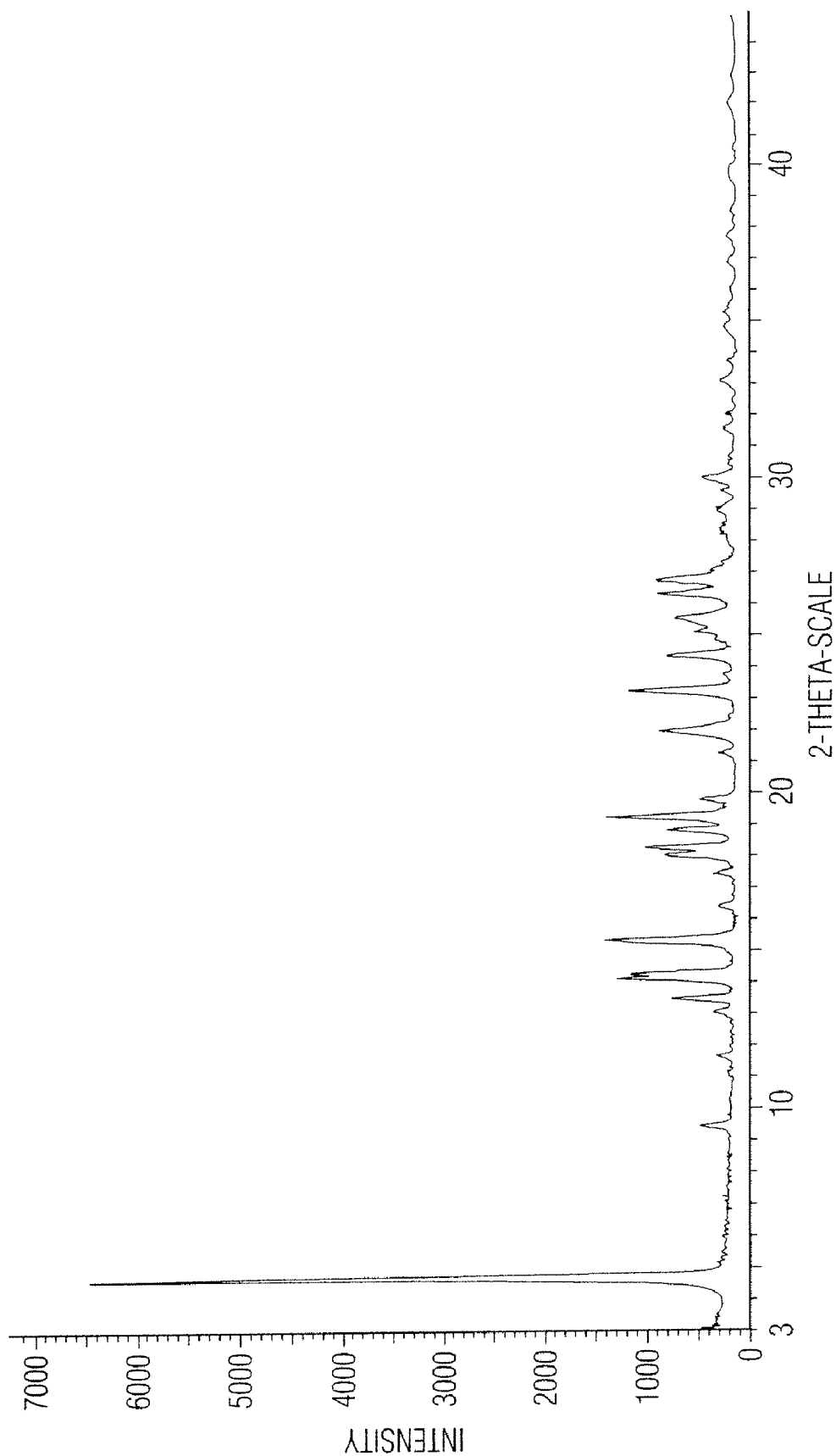


FIG. 4

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