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**Garti et al.**

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(54) **CRYSTAL FORMS OF LAMOTRIGINE AND PROCESSES FOR THEIR PREPARATIONS**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(65) **Prior Publication Data**

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**Related U.S. Application Data**

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(51) **Int. Cl.**<sup>7</sup> ..... **A61K 31/35; C07D 253/075**

(52) **U.S. Cl.** ..... **514/242; 544/182**

(58) **Field of Search** ..... 544/182; 514/242

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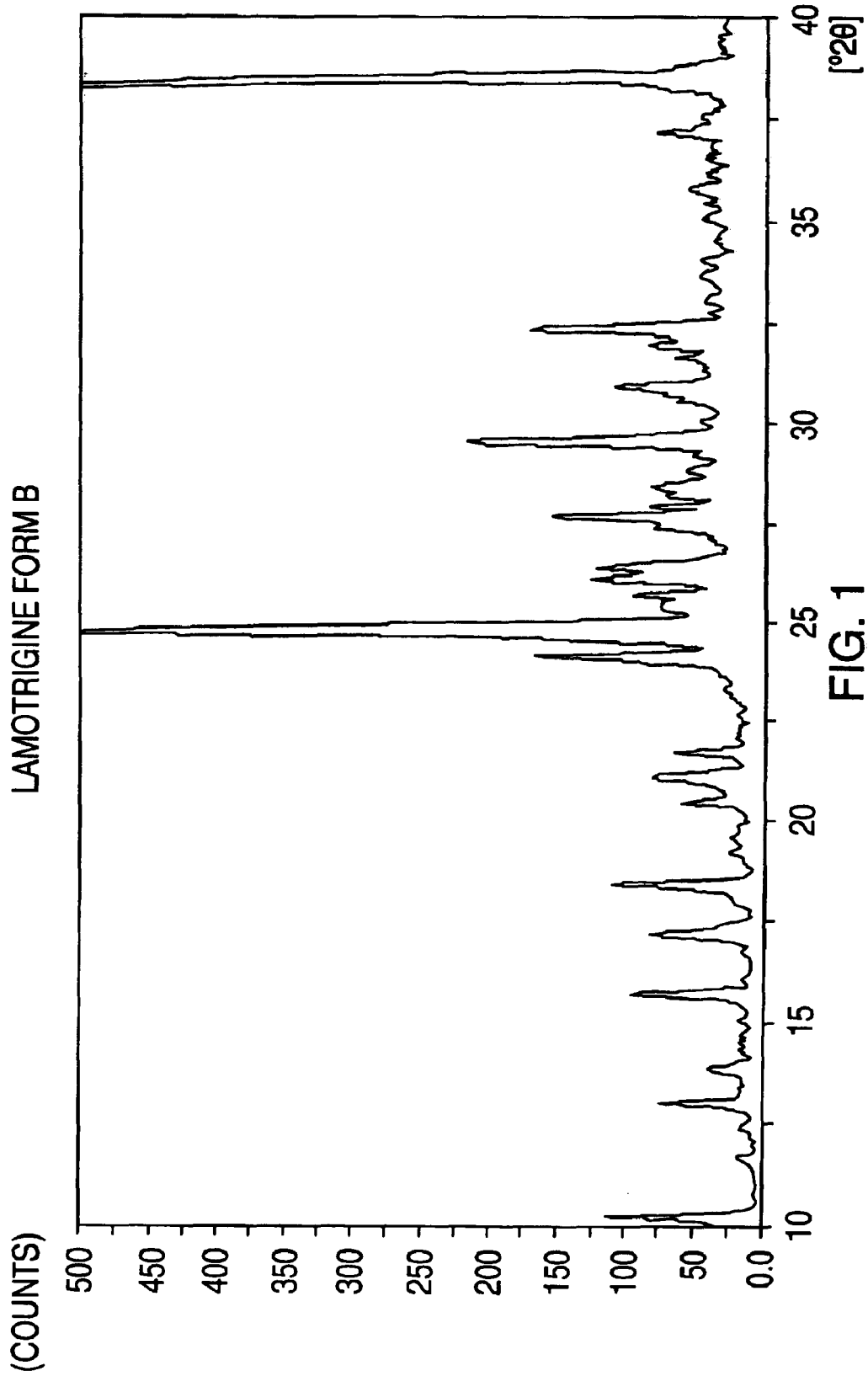
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(57) **ABSTRACT**

The present invention relates to lamotrigine, a useful agent for anti-epilepsia. New crystal forms of lamotrigine containing molecules of the solvent in stoichiometric ratios are disclosed. The present invention also provides processes for preparing the new crystal forms of lamotrigine.

**100 Claims, 18 Drawing Sheets**



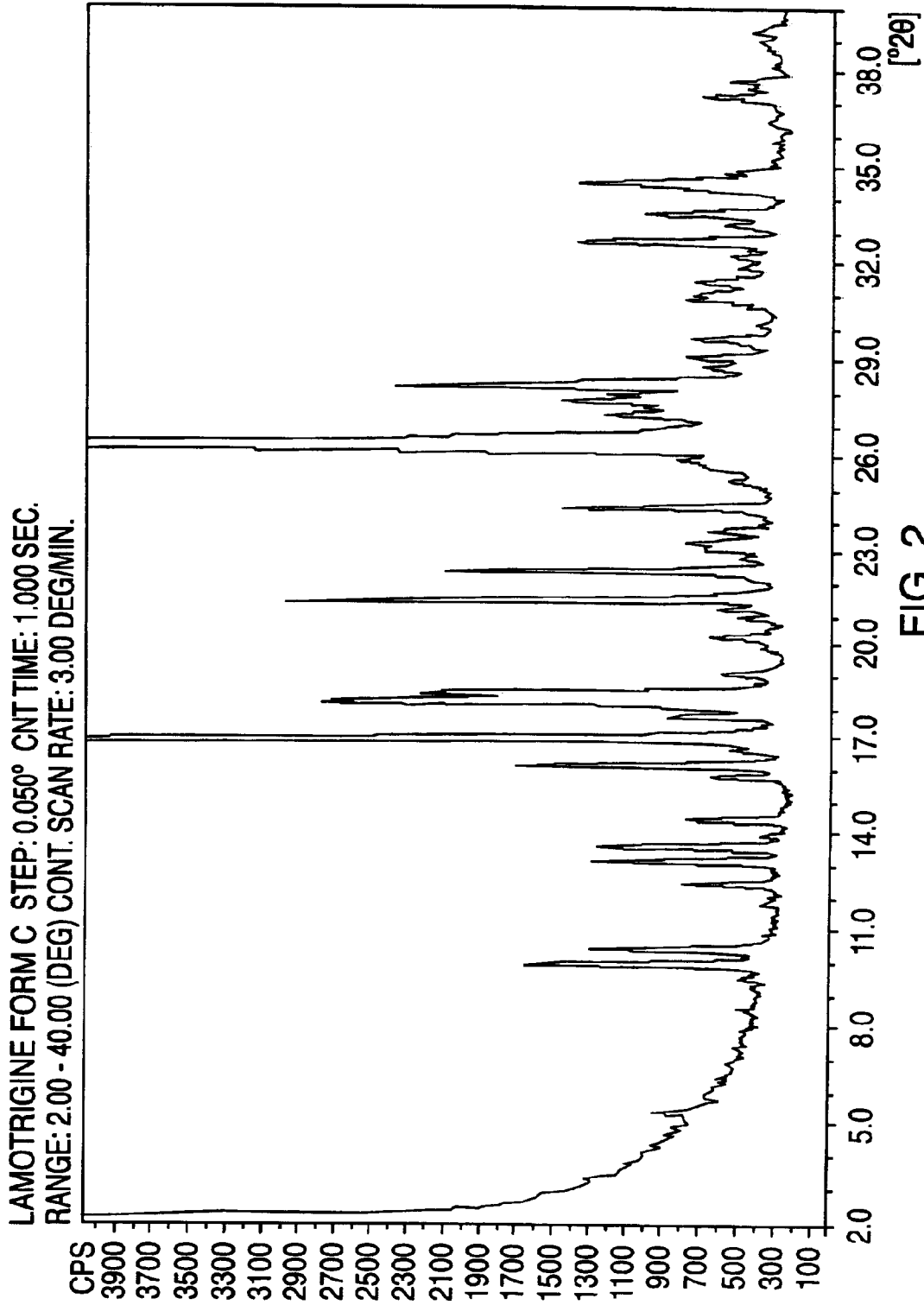


FIG. 2

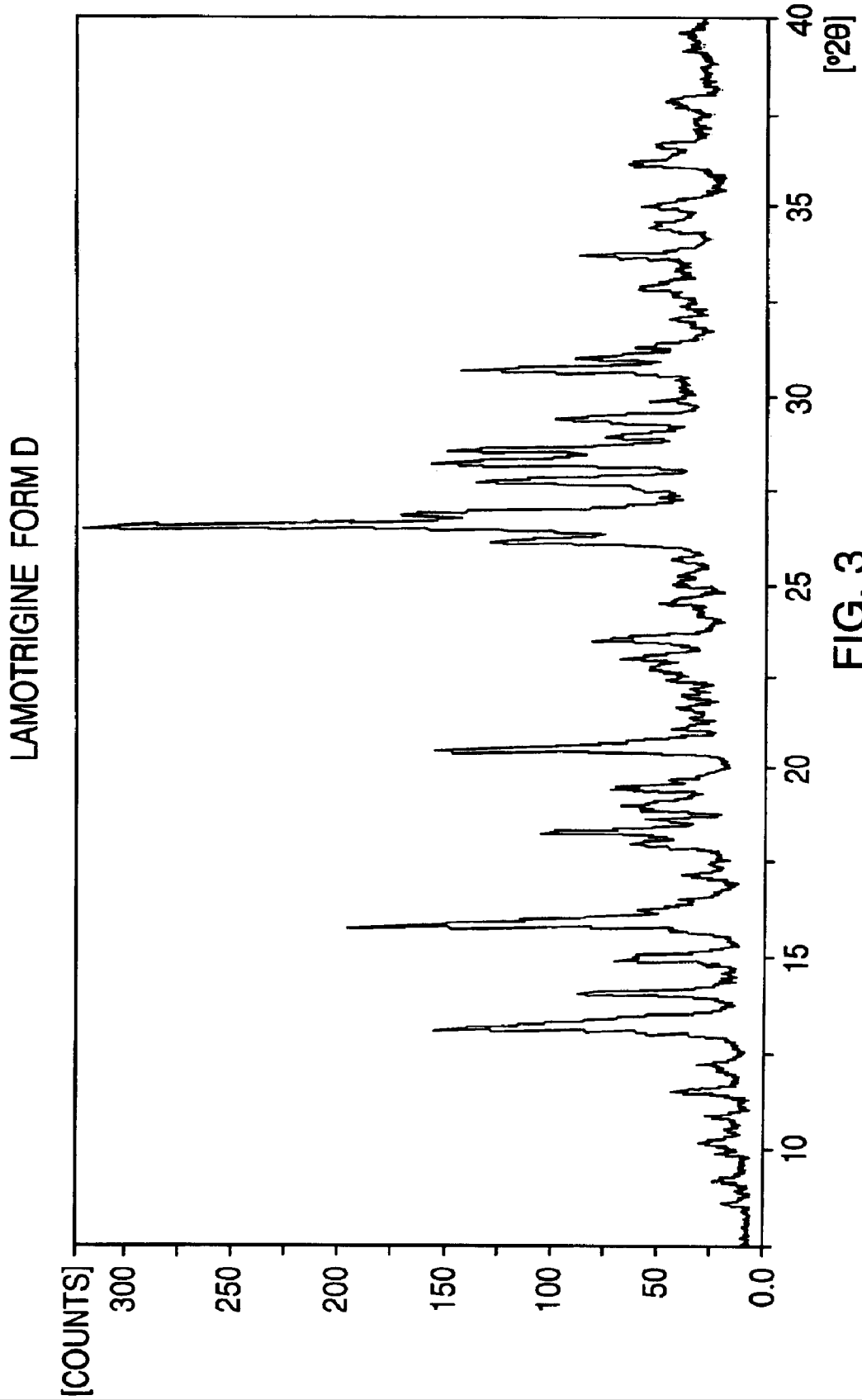
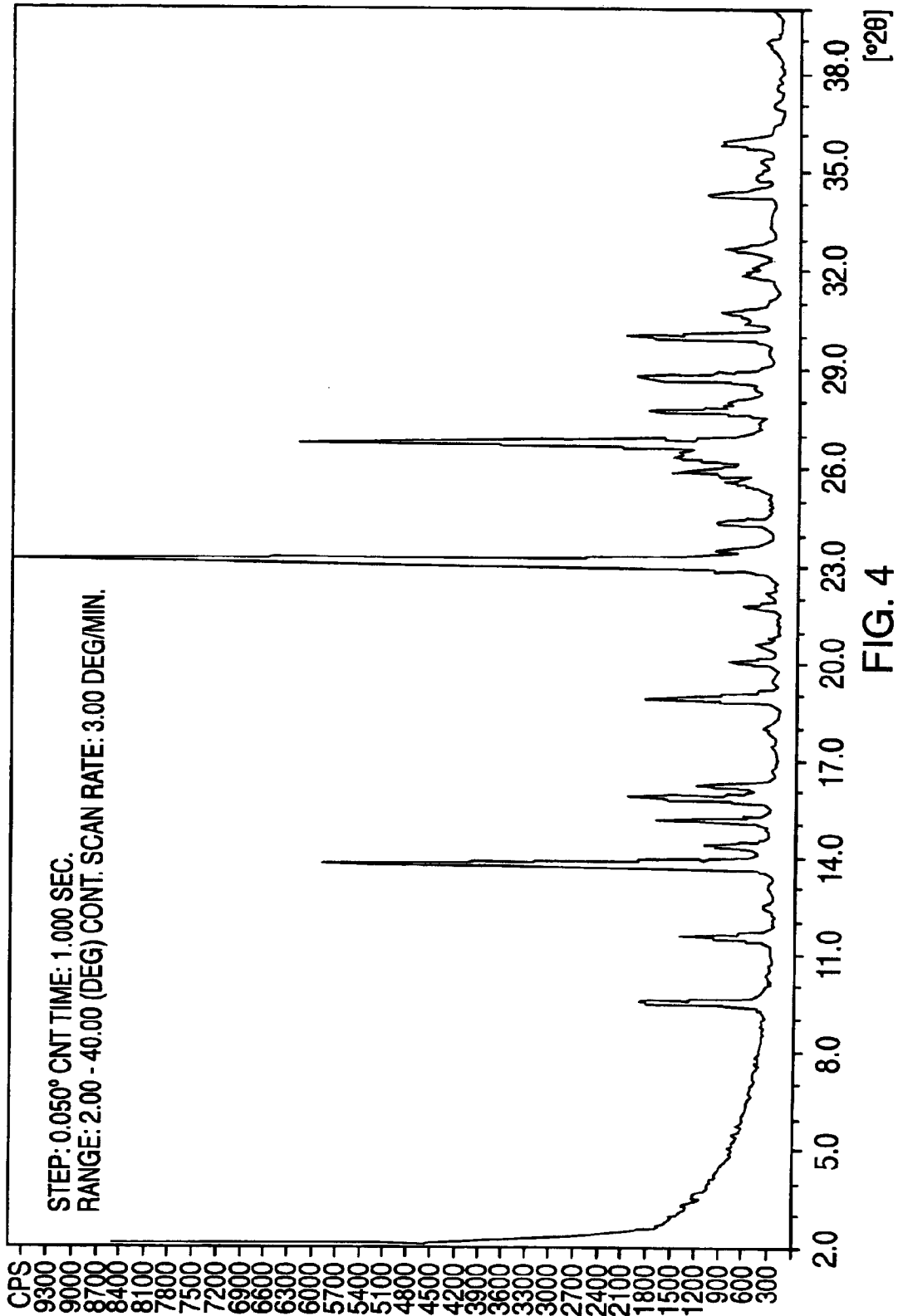


FIG. 3



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