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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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(54) **Title**: Optimized Monoclonal Antibodies against Tissue Factor Pathway Inhibitor (TFPI)

(57) **Abstract**: Isolated monoclonal antibodies that bind human tissue factor pathway inhibitor (TFPI) are provided. Isolated nucleic acid molecules encoding monoclonal antibodies that bind TFPI are also contemplated. Pharmaceutical compositions comprising the anti-TFPI monoclonal antibodies and methods of treating deficiencies or defects in coagulation by administration of the antibodies are also provided. Methods of producing the antibodies are also provided.

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