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(71) Applicant *(for all designated States except US)*: **ELI LILLY AND COMPANY** [US/US]; Lilly Corporate Center, Indianapolis, Indiana 46285 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **KOHN, Wayne, David** [CA/US]; 7905 Beechwood Farms Drive, Avon, Indiana 46123 (US). **PENG, Sheng-bin** [US/US]; 5400 Alvamar Place, Carmel, Indiana 46033 (US). **YAN, Liang, Zeng** [CA/US]; 12420 Springbrooke Run, Carmel, Indiana 46033 (US).

(74) Agents: **COHEN, Charles, E.** et al.; Eli Lilly and Company, Patent Division, P. O. Box 6288, Indianapolis, Indiana 46206-6288 (US).

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(57) Abstract: Provided are lactam-cyclized peptide CXCR4 antagonists useful in the treatment of cancers, rheumatoid arthritis, pulmonary fibrosis, and HIV infection.

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