

Search Report

Application No.

10201702125T

Page 2 of 3

Box III Text of the abstract

A syringe pump comprises a sliding block assembly for engaging with a lead screw, wherein the sliding block assembly comprises a half-nut housing having a lead screw void to receive the lead screw, and a half nut and a barrel cam disposed within the housing. The half nut has half nut threads adjacent to the lead screw void, a half nut cam-follower surface and a half nut slot, wherein the half nut is slideable between an engagement position and disengagement position whereby the half-nut threads are engaged with and disengaged from the threads of the lead screw, respectively. The barrel cam engages with the half-nut cam-follower surface, and includes a pin to fit within the half nut slot, wherein the barrel cam is rotated between two positions to actuate the half nut between the engagement and disengagement positions.