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(54) Title: AN APPARATUS AND A METHOD OF DRAWING A FIBRE

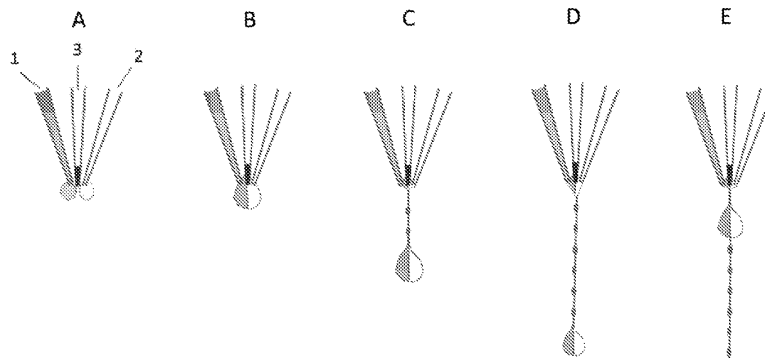


FIG. 2A

(57) Abstract: There is provided an apparatus for drawing a fibre, the apparatus comprising, a first outlet for dispensing a volume of a first polyionic polymer solution; and a second outlet for dispensing a volume of a second oppositely charged polyionic polymer solution; said second outlet disposed adjacent to the first outlet such that the polymer solutions dispensed therefrom are capable of contacting each other to form a fused droplet comprising a polyelectrolyte complex interface separating the first polyionic and second polyionic polymer solutions; wherein the fused droplet is arranged to move along a fibre drawing path under gravitational force in an opposing direction from the first and second outlets such that nascent fibre is drawn from the polyelectrolyte complex interface. There is also provided a method of drawing the fibre.

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