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(71) Applicant: **HAPLOMIC TECHNOLOGIES PTY LTD**
[AU/AU]; 25-31 Innes Road, Windsor Gardens, South Australia 5087 (AU).

(72) Inventors: **SOLOMON, Matthew Daniel**; c/- 25-31 Innes Road, Windsor Gardens, South Australia 5087 (AU).
DOUMANI, Richard Walter; c/- 25-31 Innes Road, Windsor Gardens, South Australia 5087 (AU).

(74) Agent: **FPA PATENT ATTORNEYS PTY LTD**; Level 43, 101 Collins Street, Melbourne, Victoria 3000 (AU).

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(54) Title: MICROFLUIDIC DEVICE

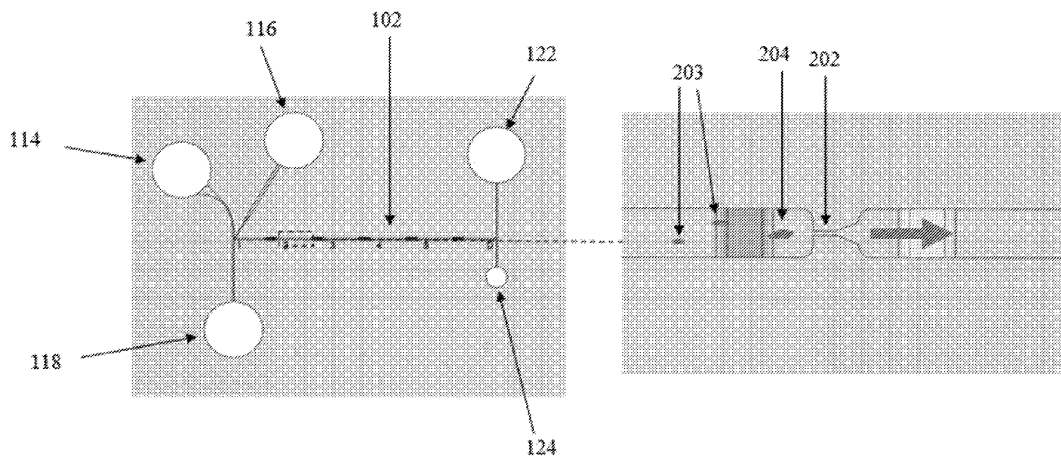


Figure 2

(57) Abstract: The present disclosure relates to a microfluidic device for the separation of metaphase chromosomes such that individual metaphase chromosomes may be dispensed discretely from the device. The microfluidic device comprises a flow channel including a series of expanded regions and constrictions. The present disclosure also relates to methods of separating metaphase chromosomes.

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