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7500 Centurion Parkway, Jacksonville, 32256 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PUGH, Randall, B.** [US/US]; 3216 Chestnut Court, Jacksonville, FL 32259 (US). **OTTS, Daniel, B.** [US/US]; 4051 Lionheart Drive, Jacksonville, FL 32216 (US). **TONER, Adam** [US/US]; 1024 W. Dorchester Drive, Jacksonville, FL 32259 (US). **KERNICK, Edward, R.** [US/US]; 447 Sparrow Branch Circle, Jacksonville, FL 32259 (US). **RIALL, James, Daniel** [US/US]; 1117 Pawnee Place, St. Johns, FL 32259 (US). **SNOOK, Sharika** [US/US]; 625 Birchbark Trail, St. Augustine, FL 32092 (US).(74) Agents: **JOHNSON, Philip, S.** et al.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).

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(54) Title: LIQUID MENISCUS LENS INCLUDING MENISCUS WALL WITH MICROCHANNELS

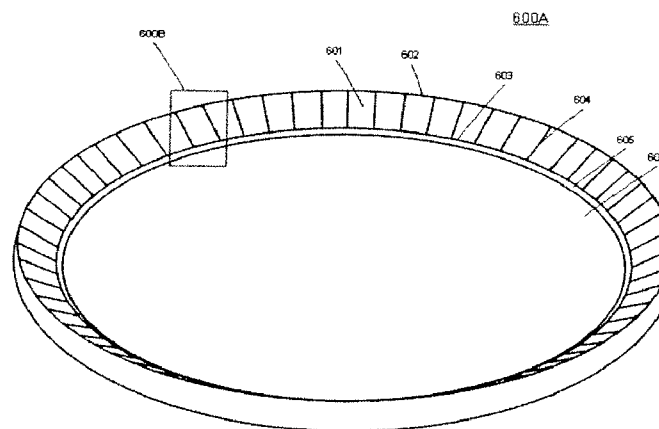


FIG. 6A

(57) Abstract: The present invention relates to an optical lens comprising: a front lens comprising a front lens exterior surface and a front lens interior surface; a back lens comprising a back lens interior surface and a back lens exterior surface, said back lens positioned proximate to said front lens such that said front lens interior surface and said back lens interior surface form a cavity there between; a volume of saline solution and oil contained within said cavity, said volume of saline solution and oil comprising a meniscus there between; and a meniscus wall with micro channels formed in one or both of the front lens and back lens and bordering the meniscus formed between the saline solution and oil.