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(71) Applicant: **Lonza Walkersville, Inc.** [US/US];
8830 Biggs Ford Road, Walkersville, Maryland 21793
(US).

(72) Inventors: **Levinson, Yonatan**; c/o Lonza Walkersville, Inc., 8830 Biggs Ford Road, Walkersville, Maryland 21793 (US). **Sargent, Alex**; c/o Lonza Walkersville, Inc., 8830 Biggs Ford Road, Walkersville, Maryland 21793 (US). **UTH, Nicholas**; c/o Lonza Walkersville, Inc., 8830 Biggs Ford Road, Walkersville, Maryland 21793 (US). **Shafighi, Farjad**; c/o Lonza Walkersville, Inc.,

8830 Biggs Ford Road, Walkersville, Maryland 21793
(US).

(74) Agent: **HUNTER, Alexa J.** et al.; DORITY & MAN-
NING, P.A., P. O. Box 1449, Greenville, South Carolina
29602-1449 (US).

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(54) Title: FILTER APPARATUS AND METHOD FOR PURIFYING BIOLOGICAL PROCESSES AND CELL POPULATIONS

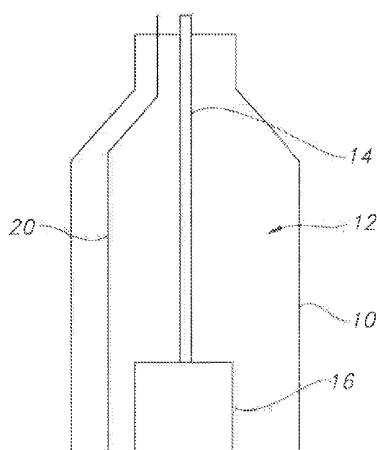


FIG. 1

(57) Abstract: A filter apparatus is disclosed for withdrawing a fluid medium from a bioreactor during the growth of a cell culture within the bioreactor. Also disclosed is a method for culturing cells in a bioreactor. The filter apparatus includes a hollow tubular member attached to a filter member. The filter member has a pore size and volume capable of withdrawing a fluid medium at a relatively high flow rate from the bioreactor. Without withdrawing biological cells from the bioreactor and without damaging or harming the cells. The filter apparatus of the present disclosure allows for many process improvements.

WO 2021/142218 A1

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