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(71) Applicant: **HUSKY INJECTION MOLDING SYSTEMS LTD.** [CA/CA]; 500 Queen Street South, Bolton, Ontario L7E 5S5 (CA).

(72) Inventor; and

(71) Applicant (for US only): **BELZILE, Manon Danielle** [CA/US]; 353 Hill Road, Fairfield, Vermont 05455 (US).

(74) Agent: **MUSGRAVE, Richard J.**; 288 North Road, Milton, Vermont 05468 (US).

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Declarations under Rule 4.17:

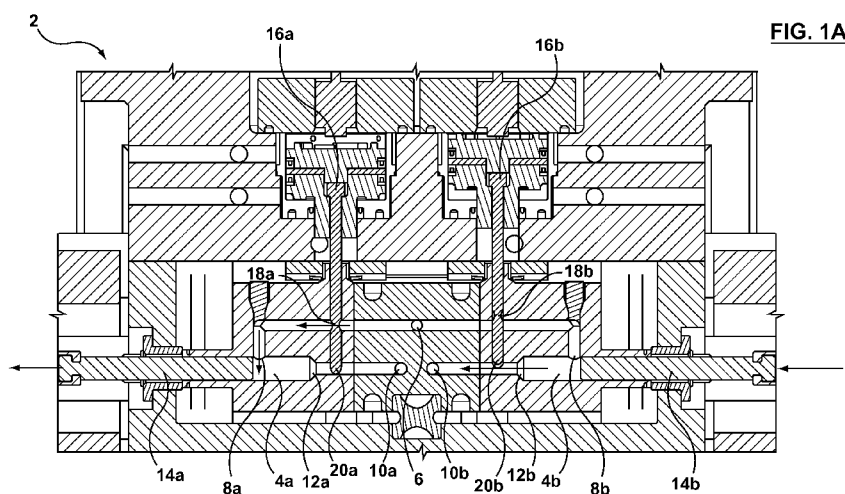
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

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- with international search report (Art. 21(3))
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(54) Title: SHOOTING POT CIRCUIT VALVE



(57) Abstract: An injection molding system including a valve operated shooting pot and methods of use are disclosed. The shooting pot may have an inlet and an outlet and a valve may be control flow through both the inlet and the outlet. The valve may be select-ively movable between a first position and a second position. The valve may block flow through the inlet and permit flow through the outlet in the first position, and permit flow through the inlet and block flow through the outlet in the second position.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2013/045546

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B29C 45/56 (2013.01)

USPC - 425/562

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - B22D 17/00; B29C 45/00, 45/02, 45/03, 45/16, 45/23, 45/30, 45/56, 45/70 (2013.01)

USPC - 164/155.1, DIG13, 304; 264/297.2, 328.19, 328.8; 425/145, 256, 557, 558, 559, 560, 561, 562, 563, 572; 428/613

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - B22D 17/00, 17/04, 17/2076, 25/005; B29C 45/00, 45/02, 45/03, 45/16, 45/28, 45/2803, 45/2806, 45/2896, 45/561, 45/586, 2045/565 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase, Google Patents, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0018266 A1 (CLARKE) 29 January 2004 (29.01.2004) entire document	1-25, 27-28
X	US 5,858,420 A (SZAJAK et al) 12 January 1999 (12.01.1999) entire document	24, 26
A	US 3,146,282 A (NINNEMAN) 25 August 1964 (25.08.1964) entire document	1-28
A	US 4,717,324 A (SCHAD et al) 05 January 1988 (05.01.1988) entire document	1-28

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

15 November 2013

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P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300

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