

OPIC Notes de l'examen / CIPO Examination Notes

Ce document est un supplément d'information aux RRI et OE / This document is a supplement to the information contained in the ISR and WO.

1. Renseignements généraux / General Information			
No. de la demande/ Application No.	PCT/CA2017/051434	Date de dépôt / Filing Date	29 November 2017 (29-11-)
No. de référence / Reference Number	630-76PC	Date de priorité / Priority Date	29 November 2016 (29-11-)
Déposant / Applicant	BEND ALL AUTOMOTIVE ULC		
CIB / IPC	IPC: F16K 31/68 (2006.01) , F01M 1/16 (2006.01) , F01P 7/16 (2006.01) , F16K 1/52 (2006.01) ,		
Titre / Title	FIRST-FILL THERMOSTATIC VALVE ELEMENT		

2. Détails de la recherche / Search Details		Ch. I
	<i>(Cocher toutes les cases pertinentes) / (check all that apply)</i>	<i>Commentaires / Comments</i>
restrictions de dates / date restrictions	<input type="radio"/> Date de dépôt / Filing <input checked="" type="radio"/> Aucune / None	<i>(détails / details)</i>
Antériorités relevées par le déposant ont été considérées / prior art noted by applicant considered	<input checked="" type="radio"/> Oui / Yes <input type="radio"/> SO / N/A	<i>(détails / details)</i> US3114965, US5452852,
Divulgations antérieures par le déposant et l'inventeur(s) ont été considérées / applicant and inventor(s) prior disclosures considered	<input type="radio"/> Oui / Yes <input checked="" type="radio"/> SO / N/A	<i>(détails / details)</i>

3. Documentation de la recherche / Search Documentation
(Indiquer clairement les bases de données /les outils de recherche utilisés et ajouter les chaînes de recherche/l'historique de recherche/stratégies de recherche) / (Clearly identify database(s) /search tool(s) used and append search strings/search history/search strategy)

Questel-Orbit, Canadian Patent Database, Google/Google Patent:

13 11 (US4456167 OR US4691861 OR US4967780 OR US4978060 OR US5452852 OR US5690276 OR US6019171 OR US6019171 OR US19630047745 OR US20040238031 OR US20070290056 OR US20110095091 OR US20120118987 OR US20120118987) /PN

12 2 (THERMOSTAT AND ENGINE TESTING)/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

11 1 (THERMOSTAT AND ENGINE FILLING)/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

10 5 (THERMOSTAT AND COOLANT FILLING)/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

9 166 (THERMOSTAT AND WAX AND ENGINE AND FILLING)/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

8 0 (THERMOSTAT AND WAX AND (ENGINE W FILL))/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

7 0 (THERMOSTAT AND WAX AND ENGINE FILLING)/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

6 100 ..SIMILARITY SS 5 RANKED 1

5 1 (THERMOSTAT AND WAX AND ENGINE TEST)/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

4 112 (THERMOSTAT AND SPACER AND VALVE AND WAX)/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

3 20 (THERMOSTAT AND SPACER AND TEMPORARY AND TESTING)/TI/AB/IW/CLMS/DESC/ODES/ICLM/TX AND (F16+)/IPC

2 100 ..SIMILARITY SS 1 RANKED 2

1 2 (US3114965 OR US5452852) /PN

4. Documents pertinents identifiés / Relevant Documents Found

(En plus des documents cités par le RRI, d'autres documents qui pourraient s'avérer pertinents lors d'un traitement supplémentaire (p.ex., Chapitre II) peuvent être inclus. Les documents devraient être identifiés en tant que document X, Y ou A. Cependant, une explication supplémentaire de chaque document n'est pas nécessaire. / In addition to the documents cited in the ISR, other documents which may be considered relevant in further prosecution (e.g. Ch. II) may be included. Documents should be identified as either X, Y or A document, however, no further explanation of each document is necessary.)

<u>US20170211715</u>	Oil bypass valve with temporary spacer to provide initially opened fluid circuit
<u>CN102278188</u>	Thermostat with locking arms for coolant filling
<u>DE102005035532</u>	Device for initially filling a coolant circulation of a vehicle engine comprises a spacer element integrated in a thermostat for holding a thermostat plate at a distance from a thermostat seat
<u>US5690276</u>	Two stage thermostatic valve device
<u>US5452852</u>	Valves and an improved method of replacing valves in pressurized systems
<u>US3114965</u>	Valve spacer tool

5. CIB additionels / Additional IPCs

F16H*