

Title (en)

Coolant tank of an internal combustion engine

Title (de)

Behälter für das Kühlmittel einer Brennkraftmaschine

Title (fr)

Réservoir du liquide de refroidissement d'un moteur à combustion interne

Publication

EP 1260685 A3 20030102 (DE)

Application

EP 02010216 A 20020516

Priority

US 29251601 P 20010523

Abstract (en)

[origin: EP1260685A2] The container comprises a coolant reservoir (11) with connection to a radiator, an overflow reservoir chamber (15) as well as a further third chamber (16) having at the geodetic lower end an opening connecting to the overflow reservoir which in turn is connected to the first coolant reservoir through an excess pressure valve (20). The excess pressure valve is set in the closure cap of the radiator.

IPC 1-7

F01P 11/02

IPC 8 full level

F01P 11/02 (2006.01)

CPC (source: EP US)

F01P 11/0214 (2013.01 - EP US); **F01P 11/029** (2013.01 - EP US); **F01P 11/0238** (2013.01 - EP US); **F01P 2011/0219** (2013.01 - EP US)

Citation (search report)

- [X] US 6056139 A 20000502 - GERICKE MICHAEL [CA]
- [X] WO 9910636 A1 19990304 - TESMA INT INC [CA]
- [A] US 4738228 A 19880419 - JENZ SIEGFRIED [DE], et al
- [A] US 4739730 A 19880426 - JENZ SIEGFRIED [DE], et al
- [A] US 5829268 A 19981103 - MERTENS KLAUS [FR]
- [A] US 4723596 A 19880209 - SPINDELBOECK DIETER [DE], et al

Cited by

FR3000939A1; FR3000940A1; EP3415737A1; US9759123B2; US9856777B2; WO2016094410A1; WO2014111640A1

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EP 1260685 A2 20021127; **EP 1260685 A3 20030102**; **EP 1260685 B1 20060809**; AT E335921 T1 20060915; DE 50207761 D1 20060921; US 2002189559 A1 20021219; US 6718916 B2 20040413

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