

Title (en)
Hot filling assembly with heat recovery

Title (de)
Heißabfüllanlage mit Wärmerückgewinnung

Title (fr)
Installation de remplissage à chaud dotée d'une récupération de chaleur

Publication
EP 2184257 B1 20110907 (DE)

Application
EP 09174042 A 20091026

Priority
DE 102008056597 A 20081110

Abstract (en)
[origin: EP2184257A1] The hot bottling plant (1) has a heat exchanger (6) for preheating the liquid to a temperature. A heater (10) is arranged downstream the heat exchanger for heating the liquid to another temperature which is higher than the former temperature. A distribution rack (12) is arranged downstream the heater for dividing the liquid in a fraction to be filled in bottles. A cooler (18) is provided whose return line (18d) is connected with the flow line (6b) of the heat exchanger (6) to transfer heat energy from cooler to heat exchanger. An independent claim is included for hot-filling of liquid, particularly soft drinks.

IPC 8 full level
B67C 3/14 (2006.01); **B67C 3/04** (2006.01)

CPC (source: EP US)
B67C 3/045 (2013.01 - EP US); **B67C 3/14** (2013.01 - EP US)

Cited by
CN109843782A; EP3988498A1; EP2567935A1; US8356643B2; US10039295B2; EP3114204B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2184257 A1 20100512; EP 2184257 B1 20110907; AT E523465 T1 20110915; CN 101734591 A 20100616; CN 101734591 B 20120905; DE 102008056597 A1 20100512; DK 2184257 T3 20111212; ES 2369054 T3 20111124; PL 2184257 T3 20120229; US 2010139214 A1 20100610; US 8356643 B2 20130122

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