

Title (en)  
ACID CLEANING METHOD IN THE BREWING INDUSTRY

Title (de)  
SÄUREREINIGUNGSVERFAHREN FÜR DIE BRAUINDUSTRIE

Title (fr)  
PROCEDE DE NETTOYAGE ACIDE DANS L'INDUSTRIE BRASSICOLE

Publication  
**EP 2217691 B1 20150114 (FR)**

Application  
**EP 08855377 A 20081112**

Priority

- FR 2008052032 W 20081112
- FR 0759056 A 20071115
- FR 0759474 A 20071130

Abstract (en)  
[origin: JP2009119445A] <P>PROBLEM TO BE SOLVED: To provide an acid cleaning method in beer industry, in particular, improved acid cleaning of various components and a container used for making beer or other related carbonated beverages. <P>SOLUTION: The acid cleaning is performed with effective amount of a compound containing at least one kind of alkanesulfonic acid. <P>COPYRIGHT: (C)2009,JPO&INPIT

IPC 8 full level  
**C11D 11/00** (2006.01); **C11D 1/14** (2006.01); **C11D 3/34** (2006.01); **C11D 7/34** (2006.01)

CPC (source: CN EP US)  
**B08B 3/02** (2013.01 - CN); **B08B 3/08** (2013.01 - CN); **B08B 9/027** (2013.01 - US); **B08B 9/0804** (2013.01 - US); **C11D 1/14** (2013.01 - CN US); **C11D 1/143** (2013.01 - EP US); **C11D 3/3409** (2013.01 - EP US); **C11D 7/34** (2013.01 - EP US); **C11D 2111/20** (2024.01 - EP US)

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DOCDB simple family (publication)  
**FR 2923735 A1 20090522**; AP 2010005273 A0 20100630; AP 3357 A 20150731; AR 069332 A1 20100113; AU 2008328623 A1 20090604; AU 2008328623 B2 20120419; AU 2008328623 B9 20120503; BR PI0819324 A2 20150512; CA 2704218 A1 20090604; CA 2704218 C 20150414; CN 101861380 A 20101013; CN 105779145 A 20160720; DK 2217691 T3 20150302; DK 2217691 T4 20210215; EA 018739 B1 20131030; EA 201070606 A1 20101029; EP 2217691 A2 20100818; EP 2217691 B1 20150114; EP 2217691 B2 20201118; ES 2528725 T3 20150212; ES 2528725 T5 20210924; FR 2923736 A1 20090522; FR 2923736 B1 20091120; HR P20150392 T1 20150522; HR P20150392 T4 20210514; IN 3262DEN2010 A 20101015; JP 2009119445 A 20090604; JP 2015070841 A 20150416; JP 2017035694 A 20170216; JP 6013425 B2 20161025; MX 2010004911 A 20100527; PL 2217691 T3 20150430; PL 2217691 T5 20210419; PT 2217691 E 20150209; SI 2217691 T1 20150529; SI 2217691 T2 20210331; TW 200936751 A 20090901; TW I395812 B 20130511; US 10889781 B2 20210112; US 2009139546 A1 20090604; US 2013192649 A1 20130801; US 8425688 B2 20130423; WO 2009068810 A2 20090604; WO 2009068810 A3 20090820; ZA 201002950 B 20110727

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**FR 0759056 A 20071115**; AP 2010005273 A 20081112; AR P080104985 A 20081114; AU 2008328623 A 20081112; BR PI0819324 A 20081112; CA 2704218 A 20081112; CN 200880116220 A 20081112; CN 201610089659 A 20081112; DK 08855377 T 20081112; EA 201070606 A 20081112; EP 08855377 A 20081112; ES 08855377 T 20081112; FR 0759474 A 20071130; FR 2008052032 W 20081112; HR P20150392 T 20150407; IN 3262DEN2010 A 20100510; JP 2007310231 A 20071130; JP 2014219297 A 20141028; JP 2016181463 A 20160916; MX 2010004911 A 20081112; PL 08855377 T 20081112; PT 08855377 T 20081112; SI 200831418 T 20081112; TW 97143599 A 20081112; US 201313799242 A 20130313; US 27093708 A 20081114; ZA 201002950 A 20100428