

Title (en)  
Process and installation for the production of refined sugar from sugar juice

Title (de)  
Verfahren und Vorrichtung zur Herstellung von Raffinadezucker von Zuckersaft

Title (fr)  
Procédé et installation de fabrication de sucre raffiné à partir de jus sucré

Publication  
**EP 1354965 A3 20040211 (FR)**

Application  
**EP 03290923 A 20030414**

Priority  
FR 0204794 A 20020417

Abstract (en)  
[origin: EP1354965A2] Production of refined sugar by tangential filtration of crude sugarcane or sugarbeet juice to obtain a retentate and a filtrate, comprises combining the molasses with the syrup entering the chromatography step. Production of refined sugar by tangential filtration of crude sugarcane or sugarbeet juice to obtain a retentate and a filtrate, softening the filtrate, concentrating the softened filtrate to obtain a syrup, chromatographing the syrup to obtain a sugar-rich extract and an impurity-rich raffinate and crystallizing the extract in two or more stages to obtain refined sugar and molasses, comprises combining the molasses with the syrup entering the chromatography step. An Independent claim is also included for an installation for carrying out the above process, comprising means for performing the above operations.

IPC 1-7  
**C13D 3/16**; **C13D 3/14**; **C13D 3/12**; **C13F 1/12**

IPC 8 full level  
**C13B 20/00** (2011.01); **C13B 20/12** (2011.01); **C13B 20/14** (2011.01); **C13B 20/16** (2011.01); **C13B 30/02** (2011.01); **C13B 35/00** (2011.01); **C13B 35/06** (2011.01)

CPC (source: EP US)  
**C13B 20/12** (2013.01 - EP US); **C13B 20/14** (2013.01 - EP US); **C13B 20/165** (2013.01 - EP US)

Citation (search report)

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- [A] WO 0114594 A2 20010301 - TATE & LYLE INC [US], et al
- [A] WO 0114595 A2 20010301 - TATE & LYLE INC [US], et al
- [DA] WO 9516794 A1 19950622 - AMALGAMATED SUGAR CO [US]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23 10 February 2001 (2001-02-10)
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1354965 A2 20031022**; **EP 1354965 A3 20040211**; AR 039307 A1 20050216; AU 2003203748 A1 20031106; BR 0302355 A 20040817; CN 1451766 A 20031029; CO 5380040 A1 20040331; FR 2838751 A1 20031024; FR 2838751 B1 20070309; MX PA03003196 A 20041029; PL 359739 A1 20031020; RU 2003110972 A 20041220; US 2003230301 A1 20031218; US 2003230302 A1 20031218; US 7067013 B2 20060627; ZA 200303042 B 20031016

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**EP 03290923 A 20030414**; AR P030101301 A 20030414; AU 2003203748 A 20030416; BR 0302355 A 20030417; CN 03128656 A 20030417; CO 03031731 A 20030414; FR 0204794 A 20020417; MX PA03003196 A 20030411; PL 35973903 A 20030416; RU 2003110972 A 20030416; US 41361703 A 20030414; US 42097503 A 20030422; ZA 200303042 A 20030417