

Title (en)
SEPARATOR DISC AND CENTRIFUGE COMPRISING SUCH SEPARATOR DISCS

Title (de)
TRENNTELLER UND ZENTRIFUGE MIT SOLCHEN TRENNTELLERN

Title (fr)
DISQUE DE SEPARATION ET CENTRIFUGEUSE AVEC DES DISQUES DE SEPARATION

Publication
EP 1644121 B2 20150715 (DE)

Application
EP 04740786 A 20040708

Priority

- EP 2004007480 W 20040708
- DE 10331424 A 20030710
- DE 10358239 A 20031212

Abstract (en)
[origin: WO2005005050A1] The invention relates to a centrifuge, in particular a separator or a solid-bowl centrifuge with screw conveyer, comprising a centrifugal drum that is equipped with separator discs (1, 2). Said centrifuge is characterised in that at least some sections of the separator discs (1, 2) are subjected to a treatment that modifies the surface energy.

IPC 8 full level
B04B 1/08 (2006.01); **B04B 7/14** (2006.01)

CPC (source: EP US)
B04B 1/08 (2013.01 - EP US); **B04B 7/14** (2013.01 - EP US); **B04B 2001/2066** (2013.01 - EP US)

Citation (opposition)
Opponent :

- US 3741467 A 19730626 - KJELLGREN O
- US 3519199 A 19700707 - TODD DAVID B
- EP 0320105 A1 19890614 - ALFA LAVAL SEPARATION AB [SE]
- DE 10065060 A1 20020711 - WESTFALIA SEPARATOR IND GMBH [DE]
- US 2003146146 A1 20030807 - MACKEL WILFRIED [DE], et al
- SE 30140 C1 19110114
- US 6946096 B2 20050920 - GIESLER WILLIAM L [US], et al
- DE 3619926 A1 19870102 - EURO TECHNICAL OILSERVICES BV [NL]

Cited by
DE102011050046A1; WO2012150125A2

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005005050 A1 20050120; AT E399594 T1 20080715; DE 502004007500 D1 20080814; EP 1644121 A1 20060412;
EP 1644121 B1 20080702; EP 1644121 B2 20150715; ES 2309532 T3 20081216; ES 2309532 T5 20151126; JP 2009514657 A 20090409;
JP 4856540 B2 20120118; US 2007066476 A1 20070322

DOCDB simple family (application)
EP 2004007480 W 20040708; AT 04740786 T 20040708; DE 502004007500 T 20040708; EP 04740786 A 20040708; ES 04740786 T 20040708;
JP 2006518140 A 20040708; US 56365404 A 20040708