

Title (en)
SCREW-TYPE SOLID BOWL CENTRIFUGE WITH MULTISTAGE PLANETARY GEAR TRAIN

Title (de)
VOLLMANTEL-SCHNECKENZENTRIFUGE MIT MEHRSTUFIGEM UMLAUFGETRIEBE

Title (fr)
CENTRIFUGEUSE A VIS A BOL PLEIN A ENGRENAGE PLANETAIRE A PLUSIEURS ETAGES

Publication
EP 1056545 B2 20120801 (DE)

Application
EP 99902523 A 19990107

Priority
• DE 19806374 A 19980217
• EP 9900055 W 19990107

Abstract (en)
[origin: DE19806374C1] In the split drive a bearing drum is placed between two gearboxes in order to reduce the spacing of the bearings and increase the whirling speed of the decanter. An epicyclic gearing is split into two units (7,8) connected by a relatively small shaft (13) so that the bearing (5) between the units is small.

IPC 8 full level
B04B 1/20 (2006.01)

CPC (source: EP US)
B04B 1/2016 (2013.01 - EP US); **B04B 2001/2025** (2013.01 - EP US)

Citation (opposition)
Opponent :
EP 0798046 A1 19971001 - GUINARD CENTRIFUGATION [FR]

Cited by
EP2032264B2

Designated contracting state (EPC)
DE DK FR GB IT SE

DOCDB simple family (publication)
DE 19806374 C1 19990701; DE 59901620 D1 20020711; DK 1056545 T3 20020916; DK 1056545 T4 20121029; EP 1056545 A1 20001206; EP 1056545 B1 20020605; EP 1056545 B2 20120801; JP 2002503549 A 20020205; JP 4212236 B2 20090121; NO 20004078 D0 20000815; NO 20004078 L 20000815; NO 319825 B1 20050919; US 6387032 B1 20020514; WO 9942220 A1 19990826

DOCDB simple family (application)
DE 19806374 A 19980217; DE 59901620 T 19990107; DK 99902523 T 19990107; EP 9900055 W 19990107; EP 99902523 A 19990107; JP 2000532219 A 19990107; NO 20004078 A 20000815; US 62240800 A 20000817