

Title (en)
High-rate washing centrifuge.

Title (de)
Hochleistungswaschzentrifuge.

Title (fr)
Centrifugeuse à haut rendement de lavage.

Publication
EP 0486260 A2 19920520 (EN)

Application
EP 91310427 A 19911112

Priority
US 61204490 A 19901113

Abstract (en)
A process utilizing a disc-nozzle centrifuge introduces very large volumes of washing liquid directly into the centrifuge to achieve displacement washing and classification action. The disc-nozzle centrifuge has a return conduit 63 for recycling of underflow and is provided with a venturi type structure 81 for simultaneous injection of return flow and washing liquid into the centrifuge. The decreased pressure at the venturi structure increases flow in the return conduit. <IMAGE>

IPC 1-7
B04B 1/12; **B04B 15/12**

IPC 8 full level
B04B 1/12 (2006.01); **B04B 15/12** (2006.01)

CPC (source: EP KR)
B04B 1/12 (2013.01 - EP); **B04B 5/00** (2013.01 - KR); **B04B 15/12** (2013.01 - EP)

Cited by
US6475132B2; WO2024089209A1; WO2022263183A1; EP2566626B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0486260 A2 19920520; **EP 0486260 A3 19920701**; AU 8015491 A 19920514; BR 9104626 A 19920623; CA 2044299 A1 19920514; CN 1061357 A 19920527; EG 19480 A 19950430; FI 915327 A0 19911112; FI 915327 A 19920514; HU 912060 D0 19911230; HU T61225 A 19921228; IE 912540 A1 19920520; IL 98364 A0 19920715; JP H04284865 A 19921009; KR 920009453 A 19920625; MA 22309 A1 19920701; MX 9100748 A 19920708; NO 914427 D0 19911112; NO 914427 L 19920514; NZ 238772 A 19930927; PE 29091 A1 19911007; PT 98723 A 19930930; ZA 914723 B 19930224

DOCDB simple family (application)
EP 91310427 A 19911112; AU 8015491 A 19910702; BR 9104626 A 19911025; CA 2044299 A 19910611; CN 91110539 A 19911109; EG 43091 A 19910715; FI 915327 A 19911112; HU 206091 A 19910620; IE 254091 A 19910719; IL 9836491 A 19910604; JP 28074291 A 19911001; KR 910012244 A 19910718; MA 22475 A 19910703; MX 9100748 A 19910820; NO 914427 A 19911112; NZ 23877291 A 19910628; PE 18892691 A 19910730; PT 9872391 A 19910820; ZA 914723 A 19910619