

Title (en)
GARNET EXTRACTION SYSTEM AND METHOD FOR USING THE SAME

Title (de)
GRANATEXTRAKTIONSSYSTEM UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)
SYSTÈME D'EXTRACTION DE GRENAT ET SON PROCÉDÉ D'UTILISATION

Publication
EP 3145674 A4 20180718 (EN)

Application
EP 15796478 A 20150522

Priority

- US 201414284646 A 20140522
- US 201562119639 P 20150223
- US 201514670496 A 20150327
- CN 2015079594 W 20150522

Abstract (en)
[origin: WO2015176688A1] A system and method to extract particulate material from a liquid. The system (1001) includes a cylindrical tank forming a hollow cavity and having a top end and a bottom end, a cross-flow separator (1009) rigidly attached to the top end of the cylindrical tank and in fluid communication with the hollow cavity, an inflow line coupled to the cross-flow separator, an outflow line coupled to the cross-flow separator (1009), a pump (1013) in fluid communication with outflow line, and a fluid reservoir (1007) in fluid communication with the inflow line. The method includes capturing particulate matter and liquid in a reservoir, partially separating the particulate matter and liquid within the reservoir, channeling the partially separated particulate matter and liquid to a cross-flow separator positioned above a tank, separating the partially separated particulate matter and liquid within the cross-flow separator, and capturing the particulate matter within the tank.

IPC 8 full level
B24C 9/00 (2006.01)

CPC (source: EP)
B24C 9/006 (2013.01); **Y02P 70/10** (2015.11)

Citation (search report)

- [XA] US 2010133206 A1 20100603 - SCHADE GEORGE [US]
- [XI] EP 0717764 A1 19960626 - MERPRO TORTEK LTD [GB]
- [XI] WO 03022524 A2 20030320 - FREEBERG IND FABRICATION [US], et al
- [X] WO 2008140322 A1 20081120 - AGR SUBSEA AS [NO], et al
- [A] US 3586294 A 19710622 - STRONG JAMES J
- See also references of WO 2015176688A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015176688 A1 20151126; CN 108778627 A 20181109; CN 108778627 B 20210615; EP 3145674 A1 20170329; EP 3145674 A4 20180718

DOCDB simple family (application)
CN 2015079594 W 20150522; CN 201580026654 A 20150522; EP 15796478 A 20150522