

Search strategy

Query

(SLUICE BOX)/TI/AB/CLMS/DESC/ODES/TX AND (C22B-003/02 OR C22B-003/22)/IPC

4 Documents

Publication numbers	Title	Current assignees
US20150360984 A1	Processing and application of a purification system for gold mining, extraction of minerals and growth of algae biomass	UNIVERSITY OF BISHA, ...
US5667076 A	Gold retrieving pan	ROSMAN, ALEXANDER
US5544756 A	Dynamic mining system comprsing hydrated multiple recovery sites and related methods	J MINES, ...
WO201466863 A1	Method for extracting heavy metals from hard rock and alluvial ore	BROSSEUK, RAYMOND

Family 1/4 - FAMPAT - ©Questel

Title

(US9446973)

Processing and application of a purification system for gold mining, extraction of minerals and growth of algae biomass

Publication numbers

US10113213

US20160376680

US9446973

US20150360984

Publication dates

2018-10-30

2016-12-29

2016-09-20

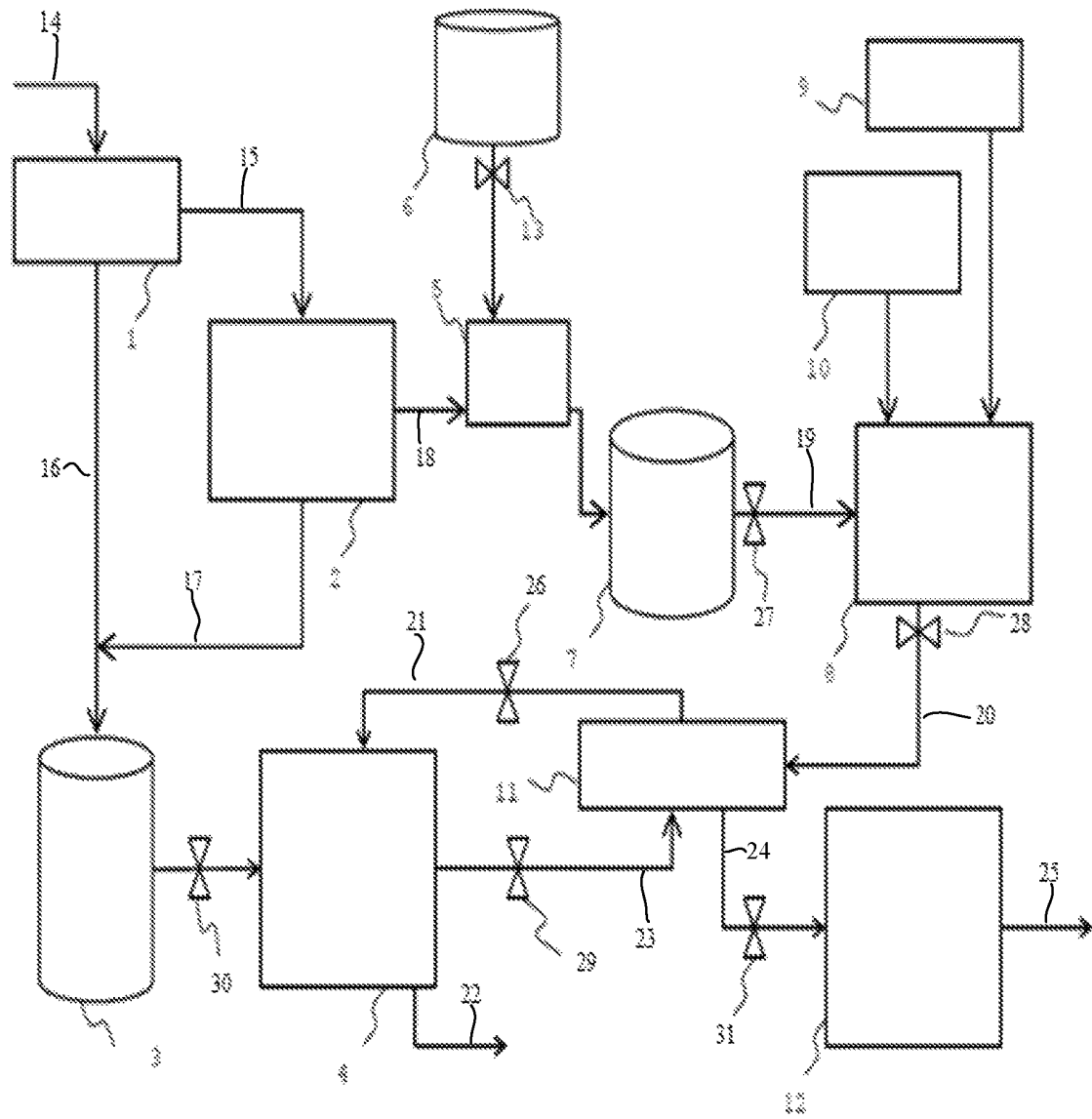
2015-12-17

Abstract

(US20150360984)

The present disclosure describes a process for using saline water, and saline reject water produced in water purification, to use for gold mining production, and growing and harvesting algae. The disclosure also describes a method for growing and harvesting algae utilizing saline water as growth medium for recycling waste water to extract the remaining metals out of waste water. The harvested algae may be used in various applications including but not limited to water purification for gold mining production and to extract metals out of remaining waste water.

Images



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Title

(US5667076)

Gold retrieving pan

Publication numbers

CA2215465

US5667076

Publication dates

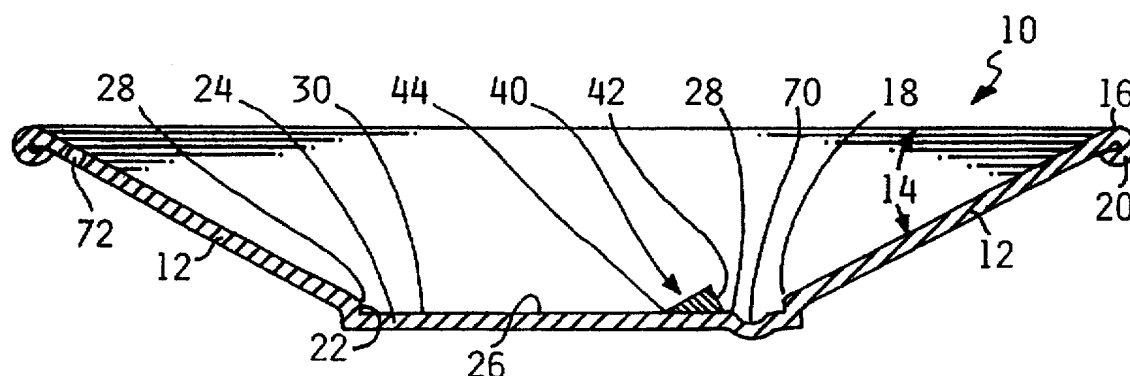
1999-03-15

1997-09-16

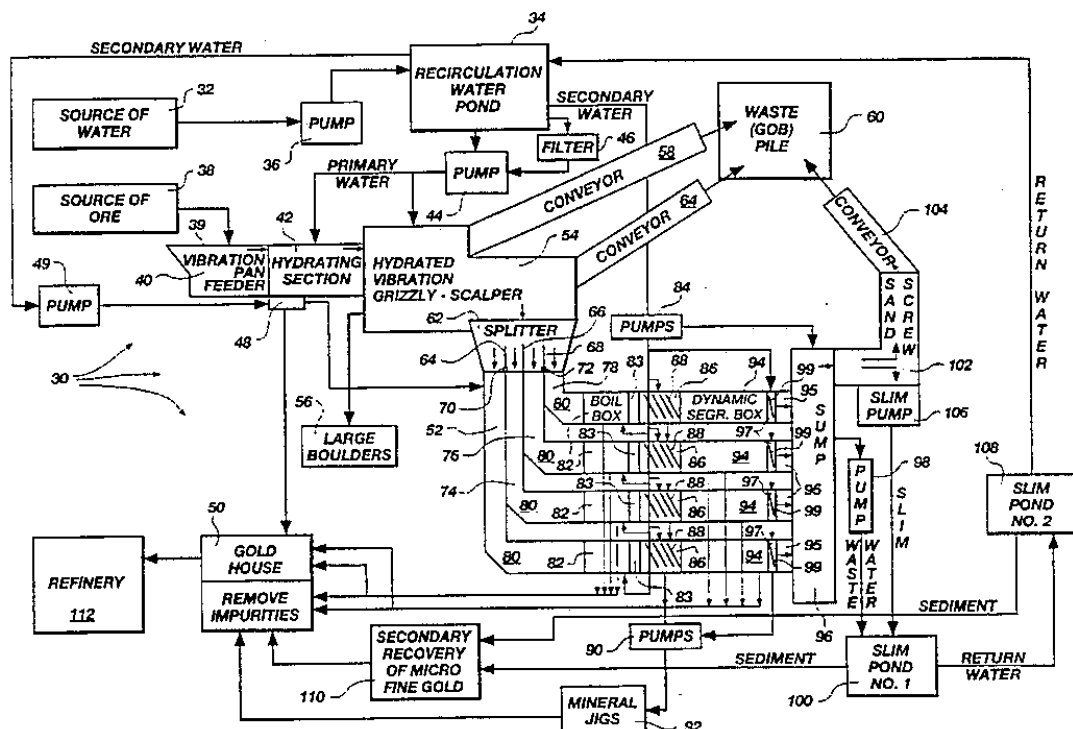
Abstract

(US5667076)

An improved gold retrieving pan (10) that is used for either wet or dry gold panning. The pan (10) allows gold dust or gold nuggets to be expeditiously extracted from gold bearing sand. The pan (10) consists of an outer circular section (12) having an inner perimeter rim (18) that is integrally attached to an outer perimeter rim 28 of a shallow center circular section (24). Near the outer perimeter rim (28) of the center circular section (24) is located a gold trap structure (40) having an outward facing opening (42) and an inward perimeter edge (44). The edge (44) is attached to the surface of the center circular section (24). In front of the gold trap structure (40) is located a shallow, gold-setting trough (70) that functions in combination with the gold trap structure (40) to allow any gold dust and/or gold nuggets present in the gold bearing sand to remain within the confines of the gold trap structure (40) and the trough (70).

Images

Images



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Title

(WO201466863)

Method for extracting heavy metals from hard rock and alluvial ore

Publication numbers

CN104884173

AU2013334074

ZA201502745

HK1214559

CN104884173

AU2013334074

US8789780

CA2889574

US20140117124

WO2014/066863

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2018-07-13

2018-02-01

2016-10-26

2016-07-29

2015-09-02

2015-06-04

2014-07-29

2014-05-01

2014-05-01

2014-05-01

Abstract

(WO2014/066863)

A machine is employed for recovering heavy metals and precious or semi-precious minerals, such as gold, copper, lead, diamonds, and garnets from placer, or hard rock ore. The machine employs a cylindrical, annular outer drum mounted for rotation at an inclination to the horizontal and including at least one spiral vane extending the length of its inner surface. A cylindrical, annular inner barrel is mounted within the drum and has an upper fragmentation section, an intermediate screened section, and a lower discharge section.

Images

