

Title (en)  
MINERAL LIFTING SYSTEM AND MINERAL LIFTING METHOD

Title (de)  
MINERALAUSHEBESYSTEM UND MINERALAUSHEBEVERFAHREN

Title (fr)  
SYSTÈME DE LEVAGE DE MINÉRAUX ET PROCÉDÉ DE LEVAGE DE MINÉRAUX

Publication  
**EP 3342976 A4 20190807 (EN)**

Application  
**EP 16841180 A 20160406**

Priority

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- JP 2016061280 W 20160406

Abstract (en)  
[origin: EP3342976A1] A mineral lifting system S includes a seabed working machine 13, having an excavator 131, excavating minerals at a seabed, and a slurry pump 132, sucking in and pumping a solid-liquid mixture of the minerals and seawater, a generator, supplying electric power to the seabed working machine 13 by an electric power cable 12, a main float 20, a mineral lifting pipe 21, conveying the solid-liquid mixture to the main float 20 side, auxiliary floats 22, mounted to the mineral lifting pipe 21 at predetermined intervals and imparting a buoyancy, and a sorting unit 3, sorting and collecting the minerals from the solid-liquid mixture conveyed to the main float 20 side.

IPC 8 full level  
**E21B 17/01** (2006.01); **E21C 50/00** (2006.01)

CPC (source: EP KR US)  
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**E21B 17/012** (2013.01 - EP US); **E21C 50/00** (2013.01 - EP KR US)

Citation (search report)

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- [XY1] WO 2013090976 A1 20130627 - NAUTILUS MINERALS PACIFIC PTY [AU]
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- [Y] JP 5432022 B2 20140305
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Designated contracting state (EPC)  
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