

Title (en)  
Sand cleaning and stone removing machine.

Title (de)  
Sandreinigungs- und Steinauflesevorrichtung.

Title (fr)  
Dispositif pour nettoyer le sable et enlever les pierres.

Publication  
**EP 0347362 A1 19891220 (EN)**

Application  
**EP 89500068 A 19890612**

Priority  
ES 8801843 A 19880615

Abstract (en)  
The machine applies to such machines having an endless moving screening mesh (5) to separate sand from foreign matter, a sand collecting ramp (4) and sand beating device (3) at the input end of the screen, and a foreign matter collecting and dumping hopper (9) at the outlet end of the said screen (5). The action of the beating device (3) is completed by a second beating mechanism (10); a flexible cover (13) placed over the screen (5) prevents bouncing of the foreign matter. Vibrating devices are formed of a shaft (14) with revolving blades (15) which strike the screen mesh (5). The hopper (9) is mounted oscillating at the free end of a articulated polygon articulated to an upper portion (16) of the machine frame (1). It is thereby attained that the stones roll over the screening mesh (5), and the moist, soggy sand is broken up, thus enhancing screening of the sand. Also, the overall height of the elevating mechanism of the hopper (9) is lowered, thus increasing maneuverability.

IPC 1-7  
**E01H 12/00**

IPC 8 full level  
**E01H 12/00** (2006.01)

CPC (source: EP)  
**E01H 12/00** (2013.01)

Citation (search report)

- [A] FR 2335142 A1 19770715 - PICKERTON ENGINEERING LTD [GB]
- [A] US 3828534 A 19740813 - MC ROBERT L
- [A] US 4642977 A 19870217 - RAMACHER BARRY [US]
- [A] US 4221265 A 19800909 - PRATT LESLIE J
- [A] FR 1584170 A 19691212
- [A] FR 2554141 A1 19850503 - MANSBRIDGE WILLIAM [AU]
- [A] US 4608725 A 19860902 - JACKSON SAMUEL G [US]

Cited by  
FR2815058A1; EP0480074A1; CN108212764A; DE102006001713B3; FR2810348A1; DE4030204A1; DE102010006278A1; CN106171562A; FR2664922A1; ES2076846A1; EP2275603A3; EP1241298A3; US6805204B2; US8579039B2

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