

## Title (en)

System for evacuating sludge for a trench excavating machine.

## Title (de)

Schlammaushub-Abfuhrsystem für eine Maschine zur Herstellung von Schlitzwänden.

## Title (fr)

Système d'évacuation de boue pour une machine à creuser des tranchées.

## Publication

**EP 2586962 A1 20130501 (EN)**

## Application

**EP 12189536 A 20121023**

## Priority

IT TO20110961 A 20111024

## Abstract (en)

System for evacuating mud produced by a digging machine (10), wherein said machine comprises a digging head (11) arranged to dig the soil, a flexible bearing element (12) arranged to support the digging head during the normal operation of the machine itself, a winch (14) and a drum, about which at least part of such a flexible element (12) can be wound. Such a system comprises a tank (V) for containing a fluid for mixing and removing the deposits being taken from the tank through a pumping station (P) and being introduced into the excavation in at least one supply duct (2). A mud extraction pump (4) directly associated with such a digging head (11), extracts the mud from the excavation via a mud evacuation tube (F). The system is characterised in that it comprises at least one ejection duct (5) that receives the light fluid for mixing and removing the deposits from such a supply duct (2) to carry it near to the digging head (11), in such a way that said light fluid for mixing and removing the deposits is conveyed towards the mud evacuation tube (F) by at least part of the stabilising fluid.

## IPC 8 full level

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## Citation (applicant)

- US 2008296062 A1 20081204 - HORTON III EDWARD E [US], et al
- JP H07310322 A 19951128 - KAJIMA CORP

## Citation (search report)

- [XDYI] JP H07310322 A 19951128 - KAJIMA CORP
- [X] US 3710878 A 19730116 - ENDO M, et al
- [X] JP S4919129 B1 19740515
- [X] EP 0730064 A1 19960904 - SOL COMP DU [FR]
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- [XAY] EP 0114584 A2 19840801 - CASAGRANDE SPA [IT]
- [Y] US 3621593 A 19711123 - HICKEY JAMES R
- [A] US 4217212 A 19800812 - DEAL TROY M [US]

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## DOCDB simple family (application)

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