

Title (en)

DEVICE FOR WASHING ORGANIC AND ARGILIFEROUS IMPURITIES OUT OF CONTINUOUSLY FED, COARSE AND FINE-GRAINED SOLID MATERIAL

Publication

**EP 0081037 A3 19841121 (DE)**

Application

**EP 82107996 A 19820831**

Priority

DE 3148728 A 19811209

Abstract (en)

[origin: EP0081037A2] 1. Device to wash out organic and clayey impurities from continuously supplied coarse-grain and fine-grain solids such as freshly dredged and prepared gravel, with a chute (12) to supply the material to a wash trough (30) and sprinklers for the wash liquid, consisting of an endless conveyor belt (29) supported on support rollers (6, 17), which are held on the frame (1) of the machine in such a way that a part of the conveyor belt is arranged downstream from the chute (12) and intended as a wash trough (30) and the other part of the conveyor belt is arranged below the chute and in such a manner that it rises in a direction counter to the flow direction of the delivered material, where the conveyor belt (29) is driven in a direction counter to the flow direction of the material delivered via the chute, characterized by the fact that one or more vibrational compactors (40) are arranged in the area of the part (11) of the conveyor belt (29) which rises below the chute (12) and outside the wash trough (30), where the conveyor belt (29) is supported from below by the vibration element (43).

IPC 1-7

**B03B 5/00**; **B03B 11/00**

IPC 8 full level

**B03B 5/00** (2006.01); **B03B 5/08** (2006.01); **B03B 11/00** (2006.01)

CPC (source: EP)

**B03B 5/00** (2013.01); **B03B 5/08** (2013.01)

Citation (search report)

- [AD] FR 2325433 A1 19770422 - ROHR WOLFGANG [DE]
- [A] DE 1204151 B 19651104 - TADASHI OHYAMA, et al
- [AD] DE 2263549 A1 19740711 - ROHR WOLFGANG

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0081037 A2 19830615**; **EP 0081037 A3 19841121**; **EP 0081037 B1 19860820**; AT E21487 T1 19860915; AU 553902 B2 19860731; AU 8863082 A 19830616; BR 8206115 A 19830920; CA 1196607 A 19851112; DE 3148728 C1 19821216; DE 3272728 D1 19860925; JP H0228381 B2 19900622; JP S58101746 A 19830617; MX 157230 A 19881107; YU 201782 A 19860630; YU 43090 B 19890228; ZA 827076 B 19830831

DOCDB simple family (application)

**EP 82107996 A 19820831**; AT 82107996 T 19820831; AU 8863082 A 19820922; BR 8206115 A 19821020; CA 413395 A 19821014; DE 3148728 A 19811209; DE 3272728 T 19820831; JP 16520382 A 19820924; MX 19437982 A 19820913; YU 201782 A 19820907; ZA 827076 A 19820927