

Title (en)

APPARATUS FOR RINSING AND SORTING ORGANIC, LOAMY AND OTHER IMPURITIES FROM CONTINUOUSLY FED COARSE AND FINE-GRAINED SOLID MATERIALS

Publication

EP 0370237 B1 19920122 (DE)

Application

EP 89119546 A 19891021

Priority

DE 3839666 A 19881124

Abstract (en)

[origin: US4968418A] The apparatus serves for washing out and sorting organic, loamy and other impurities from continuously supplied coarse and fine granular solids, such as freshly dredged and treated gravel, with a chute 12 supplying the material to a washing trough 30 and spray jets 8, 10 for the washing liquid, consisting of an endless conveyor belt 29 supported on support rollers which are mounted on the machine frame 1 in such a manner that one section 9 of the conveyor belt is arranged downstream of the chute 12 and is formed as a washing trough 30, while the other section 11 of the conveyor belt 29 is arranged underneath the chute 12 and rising upwards against the direction of flow of the material supplied, the conveyor belt 29 being driven in the opposite direction to the direction of flow of the material supplied through the chute. Support rollers 6 and 17 are arranged to the side of the outer deflection pulley 32, in the direction of movement 4 of the conveyor belt 29. The roller 6 is formed as a tapping roller and comprises one or more tapping ribs 3 arranged transversely to the direction of movement 4 of the conveyor belt 29 and constituting humps on the surface of the deflection roller.

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