

Title (en)

CANAL CONSTRUCTING APPARATUS COMPRISING A LEVELING OR A COVERING INSTALLATION

Publication

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Application

EP 82106275 A 19820713

Priority

DE 3130448 A 19810723

Abstract (en)

[origin: US4472089A] Channel construction machinery is provided with a levelling and material lining application attachment to thus provide a continuous mode of channel construction operation in either the longitudinal or transverse direction of operation with respect to the longitudinal axis of the channel. The levelling and/or lining attachment is provided with at least one shaft which is mounted and driven so as to rotate. The length of the shaft is proportioned to the length of the embankment section to be worked on. Located about the circumference of the shaft are blade-like elements, whose surfaces are directed at an angle to the axis of the shaft. The shafts and angularly directed blades are mounted on implement carriers of the channel construction machine in a manner such that they oscillate by being connected to vibration actuators. The implement carriers, however, attached to the frame of the apparatus are isolated from the vibrations of the vibrator by damping elements. In the preferred embodiment of the invention, the blade-like elements are linked together and fixedly mounted as a helix surrounding the rotating and oscillating shaft.

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