

Title (en)
Method for burying an elongated object

Title (de)
Verfahren zum Verlegen von langgestreckten Körpern

Title (fr)
Méthode pour l'enterrement d'objets allongés

Publication
EP 0543467 B1 19961009 (EN)

Application
EP 92203591 A 19921120

Priority
NL 9101937 A 19911120

Abstract (en)
[origin: EP0543467A1] The invention relates to a method and a device for burying a pipeline (11) in a bed (22) under water, in which a pipeline is laid on the bed and a device resting on the bed over the pipe is moved along the pipeline, while during this movement the device removes the bed material on either side and under the pipe, so that a trench (22) into which the pipeline sinks is formed, in which method the bed material on either side of the pipe is first removed, so that furrows running essentially parallel to the pipe are formed, and the bed material remaining between said furrows and on which the pipe is lying is then removed. The furrows are preferably formed by pushing away the bed material in the same way as with a plough, and the abovementioned bed material (24) remaining between the furrows is removed by sucking it away, so that a furrow into which the pipeline sinks remains. The bed material to be sucked away may first be loosened up by spraying with water to form a pumpable mixture. A device for use of the method preferably comprises ploughshares (2) for making the furrows and a dredging pump unit for sucking away the bed part remaining between the furrows. The burial of the pipeline can be considerably simplified by using a high-pressure pump and spray nozzles. Flexibly mounted slippers facilitate the movement of the device over the bed. <IMAGE>

IPC 1-7
E02F 5/10

IPC 8 full level
E02F 5/10 (2006.01)

CPC (source: EP)
E02F 5/104 (2013.01)

Cited by
EP1985766A3; EP3800297A1; CN114651101A; JP2016531222A; AU2014309368B2; EA035641B1; WO2015026443A1; US9388918B2; US11613870B2; WO2021063675A1

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0543467 A1 19930526; EP 0543467 B1 19961009; DE 69214401 D1 19961114; DE 69214401 T2 19970306; NL 9101937 A 19930616; NO 924478 D0 19921120; NO 924478 L 19930521

DOCDB simple family (application)
EP 92203591 A 19921120; DE 69214401 T 19921120; NL 9101937 A 19911120; NO 924478 A 19921120