

Title (en)  
Seabed trenching apparatus.

Title (de)  
Vorrichtung zum Ausheben von Meeresboden.

Title (fr)  
Dispositif pour creuser dans le sol marin.

Publication  
**EP 0296783 A1 19881228 (EN)**

Application  
**EP 88305613 A 19880620**

Priority  
GB 8714515 A 19870620

Abstract (en)  
An apparatus for forming a trench in a seabed, for burial of pipelines and cables, comprises a front portion (10) to which a towing means (22) is attached, and a rear portion (14) which is pivotally attached to the front portion. The rear portion is provided with a first trench-forming plough (32) which forms a trench of a constant profile. A second trench-forming plough (34) is pivotally mounted to the first trench-forming plough (22) and is adjustable by means of hydraulic rams (40), so that in relatively firm seabeds a steep-sided trench can be formed, whereas in softer seabeds the walls can be made shallower to prevent their collapsing.

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**E02F 5/10**; **E02F 5/14**; **E02F 5/02**

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**E02F 5/027** (2013.01); **E02F 5/104** (2013.01); **E02F 5/106** (2013.01); **B67C 2003/266** (2013.01)

Citation (search report)  
• [X] EP 0221581 A2 19870513 - SOIL MACHINE DYNAMICS LTD [GB]  
• [X] GB 1069961 A 19670524 - EDWARD ARTHUR YATES, et al  
• [A] EP 0144099 A1 19850612 - SOIL MACHINE DYNAMICS LTD [GB]  
• [A] US 4384415 A 19830524 - BROWN ROBERT J [NL], et al  
• [A] GB 1493346 A 19771130 - EDE A

Cited by  
US5988948A; EP2840187A1; EP0828031A1; US11613870B2; US6435772B1; US10323383B2; WO9913171A1; WO2015071637A3; US10711432B2; GB2285821A; EP3216925A1; JP2019515158A; EP3677727A1; JP2022060519A; US9422690B2; US10519624B2; WO9520076A1; WO2017153184A1

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