Title (en)

BARRAGE, IN PARTICULAR A BARRAGE FOR CLOSING OFF A TIDAL CHANNEL DURING A STORM TIDE.

Title (de)

STAUWERK, INSBESONDERE FÜR DIE ABSPERRUNG EINES TIDEWASSERLAUFES BEI STURMFLUT.

Title (fr)

BARRAGE, EN PARTICULIER POUR COUPER LES CHENAUX EN CAS DE RAZ-DE-MAREE.

Publication

EP 0521857 B1 19940615

Application

EP 91902661 A 19910124

Priority

- DE 4010221 A 19900327
- DE 9100076 W 19910124

Abstract (en)

[origin: WO9114829A1] Storm-tide barriers already in use for closing off tidal channels suffer, in particular, from the disadvantages that they are expensive to build, alter the channel cross-section and are difficult to keep clear of flotsam and jetsam and to maintain. In addition, they should provide a continuous navigation channel at least 200-400 m wide and with adequate depth at mean low tide. The barrier proposed to overcome these disadvantages comprises gate elements or parts (1a to 1d) which can be moved on inclined ramps (22). The barrier has the characteristic that its elements can be telescoped together when not needed at the edge, preferably on the bank, of the water channel. The lengths of the main bodies (2) of the ramps (22) are chosen so that the gate elements (1a to 1d) can be withdrawn completely out of the water and telescoped together above the mean high-water line (44). The cross-section of the gate elements (1a to 1d) is triangular, the sea side carrying the barrier wall (11) and the inland side (12) supporting most of the weight of the construction.

IPC 1-7

E02B 7/20

IPC 8 full level

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CPC (source: EP US)

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