

Title (en)  
FOLDABLE HYDROFOIL FOR BOATS

Title (de)  
FALTBARE TRAGFLÜGEL FÜR BOOTE

Title (fr)  
HYDROPTÈRE PLIABLE POUR BATEAUX

Publication  
**EP 4177143 A1 20230510 (EN)**

Application  
**EP 21382991 A 20211103**

Priority  
EP 21382991 A 20211103

Abstract (en)  
Foldable hydrofoil having a strut (1) defining an angle between 60-90° with the horizontal during an unfolded condition; a wing (2) joined to the strut (1) and defining an angle between 60-90° with the vertical; canting means (3a, 3b) with a fixed portion (3b) solidly joined to the hull (9) and a rotating portion (3a) connected to the strut (1) and arranged for rotating the strut (1) between 120°-210° until it reaches a folded condition outside the water; and rotation means (4, 4a) arranged for reversibly rotating the wing (2) between 60°-90° with respect to the strut (1).

IPC 8 full level  
**B63B 1/24** (2020.01); **B63B 1/26** (2006.01); **B63B 1/28** (2006.01)

CPC (source: EP)  
**B63B 1/242** (2013.01); **B63B 1/26** (2013.01); **B63B 1/30** (2013.01)

Citation (search report)  
• [XII] US 6499419 B1 20021231 - BUSSARD ROBERT W [US]  
• [XII] JP S4216496 Y1 19670923

Cited by  
WO2024116115A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4177143 A1 20230510**; WO 2023078978 A1 20230511

DOCDB simple family (application)  
**EP 21382991 A 20211103**; EP 2022080641 W 20221103