

Title (en)  
MULTIPURPOSE STACKABLE SELF-FILLING INTERLOCKING WATERTIGHT MODULAR BARRIER SYSTEM

Title (de)  
STAPELBARES, SELBSTFÜLLENDES, INEINANDERGREIFENDES, WASSERDICHTES, MODULARES MEHRZWECKSPERRENSYSTEM

Title (fr)  
SYSTÈME DE BARRIÈRE MODULAIRE ÉTANCHE À L'EAU, À INTERVERROUILLAGE, À REMPLISSAGE AUTOMATIQUE, EMPILABLE ET MULTIFONCTIONNEL

Publication  
**EP 3914777 A2 20211201 (EN)**

Application  
**EP 19876665 A 20191222**

Priority  
• US 201862749106 P 20181022  
• US 2019068210 W 20191222

Abstract (en)  
[origin: WO2020087094A2] Modular multipurpose, rapidly deployable, barriers that couple together into barrier walls and barrier blocks. The barrier walls are watertight, self-filling, and capable of being coupled horizontally without vertically lifting the barriers. The barriers are capable of being vertically and horizontally stacked in all directions while also allowing the stacked blocks to be offset and reinforced with poles, ropes and cables that thread through the stack vertically to support fencing and other materials. Horizontally, the barriers also permit poles, ropes and cables to be thread through the barriers greatly increasing their strength. The modular barriers are also stackable to be efficiently stored within truck and shipping container. The barriers may also be bullet proof.

IPC 8 full level  
**E02B 3/04** (2006.01); **E02B 3/00** (2006.01)

CPC (source: EP GB US)  
**E01F 13/022** (2013.01 - EP US); **E01F 15/086** (2013.01 - EP); **E01F 15/088** (2013.01 - EP US); **E02B 3/00** (2013.01 - GB); **E02B 3/04** (2013.01 - GB); **E02B 3/106** (2013.01 - GB); **E02B 3/108** (2013.01 - EP GB US); **E04B 1/02** (2013.01 - US); **E04H 17/18** (2013.01 - EP GB); **F41H 5/24** (2013.01 - US); **E01F 15/085** (2013.01 - US); **E01F 15/086** (2013.01 - US); **E04H 17/16** (2013.01 - US); **F41H 5/013** (2013.01 - US)

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

DOCDB simple family (publication)  
**WO 2020087094 A2 20200430**; **WO 2020087094 A3 20200618**; AU 2019366475 A1 20210624; CA 3131663 A1 20200430; EP 3914777 A2 20211201; EP 3914777 A4 20221221; GB 202110570 D0 20210908; GB 2594875 A 20211110; US 2021363716 A1 20211125

DOCDB simple family (application)  
**US 2019068210 W 20191222**; AU 2019366475 A 20191222; CA 3131663 A 20191222; EP 19876665 A 20191222; GB 202110570 A 20191222; US 201916625760 A 20191222