

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 A4 20221221 (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 3/10** (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)

Citation (search report)  
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• [X] DE 10211705 A1 20031002 - KOLCHMEIER JUERGEN [DE]  
• [A] US 7275888 B1 20071002 - CHRISTENSEN MARC E [US], et al  
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• See references of WO 2020087094A2

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

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**US 2019068210 W 20191222**; AU 2019366475 A 20191222; CA 3131663 A 20191222; EP 19876665 A 20191222; GB 202110570 A 20191222; US 201916625760 A 20191222