

Title (en)  
ENERGY HARVESTING BUOY

Title (de)  
ENERGIEGEWINNUNGSBOJE

Title (fr)  
BOUÉE DE COLLECTE D'ÉNERGIE

Publication  
**EP 4111048 A1 20230104 (EN)**

Application  
**EP 21759507 A 20210222**

Priority  
• NO 20200239 A 20200227  
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Abstract (en)  
[origin: WO2021172998A1] Energy harvesting buoy (10) comprising a float (11) and a waveenergy converter (20), wherein the wave energy converter (20)comprises a translator (40) in the form of a magnetic lead screwarranged movable in a sleeve (30) extending vertically in the float(11), and a generator unit (50) fixed in the float (11) and enclosingthe translator (40) in circumferential direction, wherein the energyharvesting buoy (10) comprises a water-filled piston assembly (200)arranged at lower part of the float (11) and arranged to thetranslator (40), wherein the water-filled piston assembly (200)provides a standing water column retaining the translator (40)linearly when the float (11) moves due to passing waves.

IPC 8 full level  
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