

Title (en)  
PHOTO BIOREACTOR

Title (de)  
PHOTOBIOREAKTOR

Title (fr)  
PHOTOBIOREACTEUR

Publication  
**EP 3728546 A1 20201028 (FR)**

Application  
**EP 18826007 A 20181219**

Priority  
• FR 1762943 A 20171222  
• EP 2018085867 W 20181219

Abstract (en)  
[origin: WO2019121933A1] The invention relates to a photo bioreactor comprising: a first vessel and a second vessel, extending in a longitudinal direction; the second vessel extending inside the first vessel so as to delimit a first channel between the first vessel and the second vessel, and forming a second channel inside the second vessel; a first passage means, allowing a fluid to flow between the first channel and the second channel; a second passage means, allowing the fluid to flow between the first channel and the second channel, said second passage means being disposed above the first passage means; at least one light source; and a gas injection means configured to inject gas in the form of bubbles into the second channel. According to the invention, the flow of fluid can be exposed to a light source.

IPC 8 full level  
**C12M 1/00** (2006.01)

CPC (source: EP US)  
**C12M 21/02** (2013.01 - EP US); **C12M 29/08** (2013.01 - EP US)

Citation (search report)  
See references of WO 2019121933A1

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 2019121933 A1 20190627**; CA 3085888 A1 20190627; CN 111511892 A 20200807; EP 3728546 A1 20201028; FR 3075815 A1 20190628; FR 3075815 B1 20200807; US 11639488 B2 20230502; US 2021179987 A1 20210617

DOCDB simple family (application)  
**EP 2018085867 W 20181219**; CA 3085888 A 20181219; CN 201880082985 A 20181219; EP 18826007 A 20181219; FR 1762943 A 20171222; US 201816771522 A 20181219