

Title (en)  
NOZZLE FOR 3D BIOPRINTING

Title (de)  
DÜSE FÜR 3D-BIODRUCK

Title (fr)  
BUSE POUR BIO-IMPRESSION 3D

Publication  
**EP 4200122 A1 20230628 (EN)**

Application  
**EP 21857888 A 20210819**

Priority  
• US 202063067958 P 20200820  
• US 202117401800 A 20210813  
• IB 2021057624 W 20210819

Abstract (en)  
[origin: WO2022038552A1] The present disclosure relates to a coaxial nozzle for building a 3D tissue model. Accordingly, a nozzle for 3D tissue bioprinting may include at least one buffer solution inlet, at least one peptide inlet, at least one cell inlet, and a mixing chamber. The least one buffer solution inlet is attached to the at least one peptide inlet. The at least one cell inlet is attached to the at least one peptide inlet. The at least one buffer solution inlet may be attached from a side of the at least one peptide inlet, and the at least one cell inlet may be disposed externally and attached at an angle to the at least one peptide inlet.

IPC 8 full level  
**B29C 64/209** (2017.01); **B05B 7/04** (2006.01); **B05B 13/02** (2006.01); **B29C 64/112** (2017.01); **B33Y 10/00** (2015.01); **B33Y 30/00** (2015.01); **B33Y 70/00** (2020.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2022038552A1

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Designated extension state (EPC)  
BA ME

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KH MA MD TN

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**IB 2021057624 W 20210819**; EP 21857888 A 20210819