

Title (en)
OPTICAL TECHNIQUE FOR ANALYZING INSECTS, SHRIMP AND FISH

Title (de)
OPTISCHES VERFAHREN ZUR ANALYSE VON INSEKTEN, GARNELEN UND FISCHEN

Title (fr)
TECHNIQUE OPTIQUE POUR L'ANALYSE D'INSECTES, DE CREVETTES ET DE POISSONS

Publication
EP 4247153 A4 20240529 (EN)

Application
EP 21909721 A 20211227

Priority

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Abstract (en)
[origin: WO2022137243A1] A novel technique for automated analysis of organisms like insects, shrimp and fish. The technique comprises detection of structures and/or organs in the organisms in a flow-system. Alternatively or in addition, the technique may comprise sorting of the organisms, for example sex separation of the organisms in the flow system. The technique may comprise steps of: (a) illuminating the organisms in a detection region, (b) imaging the organisms in the detection region, with an extended depth of field that spans at least one-fourth of their thickness and from at least two different directions; (c) analyzing the images for the presence of one or more features, structures and/or organs of interest.

IPC 8 full level
A01K 79/00 (2006.01); **A01K 61/90** (2017.01); **A01K 61/95** (2017.01); **A01K 67/033** (2006.01)

CPC (source: EP IL)
A01K 61/90 (2017.01 - EP IL); **A01K 61/95** (2017.01 - EP IL); **A01K 67/033** (2013.01 - EP); **A01K 79/00** (2013.01 - IL)

Citation (search report)

- [XYI] US 2020359608 A1 20201119 - DU YU [SG], et al
- [XYI] US 2020281164 A1 20200910 - LEPEK HANAN [IL], et al
- [XA] WO 2018011744 A1 20180118 - BIOSORT AS [NO]
- [XA] WO 2020023634 A1 20200130 - VERILY LIFE SCIENCES LLC [US]
- See also references of WO 2022137243A1

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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