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[54] Title: A PROCESS OF CULTURING MUD POLYCHAETE *Marphysa iloiloensis*

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[56] Reference(s) Considered/Cited:

Document description
WO 2014020129 A2 (MAX PLANCK GESELLSCHAFT) 06 February 2014 (06.02.2014)
KR 20180078757 A (NAT UNIV PUKYONG IND UNIV COOP FOUND) 10 July 2018 (10.07.2018)
EP 3005866 A1 (REPUBLIC OF KOREA NAT FISHERIES RES AND DEV) 13 April 2016 (13.04.2016)
WO 2010130770 A2 (BOSSIER PETER; SMAGGHE GUY; UNIV GENT) 18 November 2010 (18.11.2010)

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ABSTRACT

The present invention is a culture process for the larval rearing of mud polychaete *Marphysa iloiloensis* (from 1 DAH to 30 DAH). The process involves the use of fresh bioflocs as the first food source and settlement substrate of the polychaete larvae. Larval rearing was located in a shady area (0 to 50 lux) and aerated, UV-treated seawater was recirculated in the larval rearing tanks. Using this invention, $83.29 \pm 3.79\%$ of the larvae survived with 21 ± 1 segments after 30 days of larval rearing.

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Multiple Dep. Claim(s)	: NONE	Description, Claims and Abstract	: 9 page/s
Specie/s Claim(s)	: NONE	Sequence Listings	: N/A
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