

Title (en)  
EMULSION VACCINE FOR FISH

Title (de)  
EMULSIONSIMPFFSTOFF FÜR FISCHE

Title (fr)  
VACCIN DE TYPE ÉMULSION DESTINÉ AUX POISSONS

Publication  
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Application  
**EP 19786574 A 20191015**

Priority  
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• EP 2019077851 W 20191015

Abstract (en)  
[origin: WO2020078941A1] The present invention discloses the new and advantageous properties of an emulsion of water and oil that can be used to prepare an emulsion vaccine for fish which has improved safety properties. The emulsion employs a specific class of polymeric emulsifiers instead of prior art emulsifiers. When used in fish, vaccines based on this adapted emulsion induced a smaller drop in appetite after vaccination, and the vaccinated fish showed a faster recovery to normal appetite. This while providing equal or better immune-protection as compared to current emulsion vaccines. The polymeric emulsifier is a block copolymer having a general formula A-B-A in which component B is the divalent residue of a water-soluble polyalkylene glycol and component A is the residue of an oil-soluble complex monocarboxylic acid. Preferred emulsifier is a PEG-30-di-(polyhydroxystearate).

IPC 8 full level  
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