

Title (en)
Lipase and cutinase surfactant systems and method useful in laundering.

Title (de)
Lipase- und cutinasehaltige Tensidsysteme sowie diesbezügliches Waschverfahren.

Title (fr)
Système surfactifs de lipase et cutinase et méthode utile au lavage.

Publication
EP 0399681 A2 19901128 (EN)

Application
EP 90304796 A 19900502

Priority
US 35178189 A 19890515

Abstract (en)
The activation of glycerol ester hydrolases, toward triglyceride oils, is correlated to the molar ratio of total triglyceride to surfactant concentrations in the test solution. This ratio dependency, when considered in laundry compositions, allows for predictable and improved utilization of these enzymes in the hydrolysis of triglyceride stains. A particularly preferred enzyme for this use is isolatable from *Pseudomonas putida* ATCC 53552. This enzyme, or hydrolase, has sufficient hydrolysis activity in a laundering solution to hydrolyze at least about 5 wt. % of total triglyceride stains in a laundering solution within about 15 minutes at about 25 DEG C.

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C11D 3/386

IPC 8 full level
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CPC (source: EP)
C11D 3/38627 (2013.01); **C11D 3/38636** (2013.01)

Cited by
US5472628A; CN113056548A; US5442100A; US5512203A; BE1009312A3; EP3243898A3; CN109072137A; US7068982B2; WO9407989A1; WO9403578A1; WO2007057085A1; US10526565B2; US10858616B2; WO9634936A1; WO2017196772A1; WO2020104157A1

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