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(71) Applicant (*for all designated States except US*):
NOVOZYMES A/S [DK/DK]; Krogshøjvej 36, DK-2880
Bagsværd (DK).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **SVENDSEN, Allan**
[DK/DK]; Overdamsvej 13, DK-2970 Hørsholm (DK).
VIND, Jesper [DK/DK]; Hejrebakken 20, DK-3500
Værløse (DK). **BRASK, Jesper** [DK/DK]; Bindeledet 17
D, DK-2880 Bagsværd (DK). **DE MARIA, Leonardo**
[IT/DK]; Kong Georgsvej 4, 4th, DK-2000 Frederiksberg
(DK).

(74) Common Representative: **NOVOZYMES A/S**;
Krogshøjvej 36, DK-2880 Bagsværd (DK).

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(54) Title: ENZYMATIC ENANTIOSELECTIVE ESTER OR AMIDE HYDROLYSIS OR SYNTHESIS

(57) Abstract: The enantioselectivity of fungal lipolytic enzymes can be altered by substituting a suitably selected amino acid residue. The residue to be substituted is selected from its location in the 3D structure of the enzyme and an ester substrate (or a substrate analogue). A residue in the lid may be selected if it is located close to the acid part or close to the alcohol part of an ester substrate. A residue outside the lid region may be selected if it is located close to the active site or close to the substrate.



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