

Title (en)
LIPASE CONTAINING LIQUID PRE-SPOTTER AND USE OF SUCH PRE-SPOTTER.

Title (de)
LIPASE ENTHALTENDES FLÜSSIGES EINWEICHMITTEL UND DESSEN VERWENDUNG.

Title (fr)
PREDETACHANT LIQUIDE CONTENANT DE LA LIPASE ET SON UTILISATION.

Publication
EP 0517761 B1 19940216 (EN)

Application
EP 91905035 A 19910228

Priority
• DK 11891 A 19910124
• DK 53090 A 19900301
• DK 77290 A 19900326

Abstract (en)
[origin: WO9113142A1] The pre-spotter comprises a liquid mixture of an alcohol, water, a surfactant, and an effective amount of lipase. This pre-spotter is simple, and it exhibits an improved fat and oil removing effect and an improved lipase stability.

IPC 1-7
C11D 3/386

IPC 8 full level
C11D 3/386 (2006.01); **C11D 7/42** (2006.01); **D06L 1/12** (2006.01); **D06M 16/00** (2006.01)

CPC (source: EP)
C11D 3/38627 (2013.01)

Cited by
EP3512930A4; WO2014200658A1; WO2014200656A1; WO2014204596A1; WO2017173324A2; WO2017173190A2; WO2015050723A1; WO2015077126A1; WO2014200657A1; WO2015050724A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
WO 9113142 A1 19910905; DE 69101219 D1 19940324; DE 69101219 T2 19940601; DK 0517761 T3 19940509; EP 0517761 A1 19921216; EP 0517761 B1 19940216; ES 2051122 T3 19940601; JP 2930719 B2 19990803; JP H05504368 A 19930708; WO 9113141 A1 19910905

DOCDB simple family (application)
DK 9100059 W 19910228; DE 69101219 T 19910228; DK 9100058 W 19910228; DK 91905035 T 19910228; EP 91905035 A 19910228; ES 91905035 T 19910228; JP 50459491 A 19910228