

Title (en)

Enzymatic method for reducing the amount of phosphorous-containing components in vegetable and animal oils.

Title (de)

Enzymatisches Verfahren zur Verminderung des Gehaltes an phosphorhaltigen Bestandteilen in pflanzl. u. tierischen Ölen.

Title (fr)

Procédé enzymatique pour réduire la teneur en composants contenant du phosphore dans les huiles végétales et animales.

Publication

**EP 0513709 A2 19921119 (DE)**

Application

**EP 92107888 A 19920511**

Priority

DE 4115938 A 19910516

Abstract (en)

[origin: US5264367A] The content of phosphorus-containing components and the iron content of an edible vegetable or animal oil, preferably an oil such as soybean oil which has been wet-refined to remove mucilage, are reduced by enzymatic decomposition by contacting the oil with an aqueous solution of phospholipases A1, A2, or B and then separating the aqueous phase from the treated oil.

Abstract (de)

Der Gehalt an phosphorhaltigen Bestandteilen, insbesondere Phosphatiden, wie Lecithin, sowie der Eisengehalt in pflanzlichen und tierischen, vorzugsweise vorentsleimten Ölen, z.B. Sojaöl, werden erfindungsgemäß durch enzymatischen Abbau mittels Phospholipase A1, A2 oder B vermindert.

IPC 1-7

**C11B 3/00**

IPC 8 full level

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CPC (source: EP US)

**C11B 3/003** (2013.01 - EP US)

Cited by

DE102010055159A1; WO2013121047A1; WO2012001153A1; WO2012079663A1; WO2011051322A1; EP2853593A1; EP2216403A2; WO2008036863A2; EP2298871A1; WO2011046812A1; EP3190182A1; WO2011046815A1; US6001640A; US6025171A; US6127137A; EP0622446A3; US5532163A; US6162623A; DE4339556C1; EP0654527A1; US5558781A; WO2009046988A3; WO2015173426A1; US7943360B2; DE102009006921A1; EP2910129A1; DE102010025764A1; WO2006009676A2; EP2468853A1; EP2799531A1; DE102009006920A1; WO03089620A2; WO9705219A1; WO9818912A1; US7226771B2; US7977080B2; US9677027B2; EP4163354A2; US8557551B2; US9034612B2; US9243267B2; US9499844B2; WO2010025395A2; US8198062B2; US8202715B2; US8507241B2; US9238804B2; WO2008040466A1; US7713727B2; DE102009051013A1; US7993876B2; US8653241B2; US9017990B2; US9045713B2; US9322003B2

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**EP 92107888 A 19920511;** AR 32233792 A 19920515; AT 92107888 T 19920511; BR 9201859 A 19920515; CA 2068933 A 19920519; CN 92103459 A 19920512; DE 4115938 A 19910516; DE 59201753 T 19920511; DK 92107888 T 19920511; ES 92107888 T 19920511; GR 950401041 T 19950425; GR 990402897 T 19991110; HU 9201630 A 19920515; PL 29454392 A 19920514; SU 5011752 A 19920514; TW 81103810 A 19920515; US 88271092 A 19920514