Title (en)
PROCESS FOR PRODUCING FERMENTABLE WORT

Title (de)
VERFAHREN ZUR HERSTELLUNG VON VERGÄRBARER WÜRZE

Title (fr)
PROCEDE DE PRODUCTION D'UN MOUT FERMENTESCIBLE

Publication
EP 0896613 A1 19990217 (EN)

Application
EP 97905021 A 19970212

Priority
• EP 97905021 A 19970212
• EP 9700686 W 19970212
• EP 96200325 A 19960212
• EP 96202227 A 19960809

Abstract (en)
[origin: WO9729179A1] The invention provides a process for the production of a fermentable wort from cereal grains, comprising the steps of: (a) liquefaction of cereal material, with the aid of alpha -amylase and/or endoprotease activity, to obtain a liquefied mash; (b) saccharification of the said liquefied mash in the presence of alpha -amylase; (c) filtration of the liquefied and saccharified mash to obtain a fermentable wort, wherein at least one of the steps (a) and (b) above is carried out in the presence of an enzyme having exo-peptidase activity. Useful as enzymes having exo-peptidase activity are exopeptidases, preferably thermostable exopeptidases, such as the fungal amino-peptidases, but also thermostable carboxy-peptidases are useful. Particularly preferred according to the invention are amino-peptidases endogenous to Aspergillus fungi, more in particular A. niger, A. oryzae or A. sojae.

IPC 1-7
C12C 7/00

IPC 8 full level
C12C 7/00 (2006.01)

CPC (source: EP KR)
C12C 5/004 (2013.01 - EP KR); **C12C 7/00** (2013.01 - EP); **C12C 7/04** (2013.01 - EP); **C12C 7/047** (2013.01 - EP KR); **C12C 11/003** (2013.01 - EP KR); Y02E 50/10 (2013.01 - EP)

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

DOCDB simple family (publication)
WO 9729179 A1 19970814; AP 9801316 A0 19980930; AU 1873197 A 19970828; BG 102684 A 19990430; BR 9707404 A 19990406; CA 2245856 A1 19970814; CN 1064398 C 20010411; CN 1211275 A 19990317; CN 1285396 A 20010228; CZ 250398 A3 19990113; EA 001075 B1 20001030; EA 199800711 A1 19990225; EE 9800240 A 19981215; EP 0896613 A1 19990217; HK 1018625 A1 19991230; HU P9901003 A2 19990728; HU P9901003 A3 20000128; JP 2000504571 A 20000418; KR 19990082497 A 19991125; PL 328304 A1 19990118; SK 108698 A3 19990413; UY 24458 A1 19980814; YU 33998 A 19990304

DOCDB simple family (application)
EP 9700686 W 19970212; AP 9801316 A 19970212; AU 1873197 A 19970212; BG 10268498 A 19980811; BR 9707404 A 19970212; CA 2245856 A 19970212; CN 00121959 A 20000727; CN 97192223 A 19970212; CZ 250398 A 19970212; EA 199800711 A 19970212; EE 9800240 A 19970212; EP 97905021 A 19970212; HK 99103652 A 19990824; HU P9901003 A 19970212; JP 52817997 A 19970212; KR 19980706230 A 19980812; PL 32830497 A 19970212; SK 108698 A 19970212; UY 24458 A 19970212; YU 33998 A 19970212