

Title (en)

A PROCESS FOR PRODUCING AN ANIMAL PROTEIN HYDROLYSATE, ANIMAL PROTEIN HYDROLYSATES AND ITS USES

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES TIERPROTEINHYDROLYSATS, TIERPROTEINHYDROLYSATE UND DEREN VERWENDUNGEN

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN HYDROLYSAT DE PROTÉINES ANIMALES, HYDROLYSATS DE PROTÉINES ANIMALES ET LEURS UTILISATIONS

Publication

EP 3518686 A1 20190807 (EN)

Application

EP 17854272 A 20170927

Priority

- BR 102016022710 A 20160929
- BR 2017050282 W 20170927

Abstract (en)

[origin: WO2018058218A1] The invention relates to a process for producing an animal protein hydrolysates using following steps: (a) subjecting raw material to the pasteurization process, by means of a thread system with controlled temperature and speeds; (b) performing an enzymatic digestion with proportions of 1.5:3,000 to 3.0:3,000 (enzyme:raw material); (c) filtering the resulting mixture of enzymatic digestion; (d) correcting pH of broth with the addition of acid and incorporation of an antifoaming agent; (e) performing an initial centrifugation to separate the liquid and solid phases, followed by flotation with aeration and/or a second centrifugation after the disposal of the solid phase; (f) concentrating broth upon controlled temperature, vacuum and °Brix; (g) performing acid hydrolysis with addition of hydrochloric acid (HCl), and the neutralization with potassium hydroxide (KOH); (h) cooling protein hydrolysate, optionally with the correction of °Brix with the potassium hydroxide (KCl) that was internally generated by the process itself; and (i) processing mixture and dry the protein hydrolysate. Also, the current patent application concerns the animal protein hydrolysate (HPA) obtained through the process of the present invention, and its uses and/or applications in food industry, such as condiments, seasonings and/or powder meat flavors, particularly in the manufacturing of meat products.

IPC 8 full level

A23J 3/34 (2006.01); **A23J 1/02** (2006.01); **A23L 27/21** (2016.01); **A23L 27/40** (2016.01)

CPC (source: BR EP)

A23J 3/04 (2013.01 - BR EP); **A23J 3/341** (2013.01 - EP); **A23L 27/21** (2016.07 - EP); **A23L 27/26** (2016.07 - EP); **A23J 1/02** (2013.01 - BR EP); **A23J 3/34** (2013.01 - BR EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018058218 A1 20180405; AR 109731 A1 20190116; BR 102016022710 A2 20180502; CL 2019000809 A1 20190712; EP 3518686 A1 20190807; EP 3518686 A4 20200401; ZA 201902610 B 20191218

DOCDB simple family (application)

BR 2017050282 W 20170927; AR P170102675 A 20170927; BR 102016022710 A 20160929; CL 2019000809 A 20190327; EP 17854272 A 20170927; ZA 201902610 A 20190424