

Title (en)
COOKER

Title (de)
GARVORRICHTUNG

Title (fr)
CUISEUR

Publication
EP 1741987 A4 20080611 (EN)

Application
EP 05734622 A 20050420

Priority
• JP 2005007521 W 20050420
• JP 2004130930 A 20040427

Abstract (en)
[origin: EP1741987A1] It is an object of the invention to provide a cooking apparatus which can set the interior of a heating chamber at desired humidity and temperature in a short time. In the cooking apparatus, an object to be heated 11 is stored into a heating chamber 12, the interior of the heating chamber 12 is heated up to a given temperature using heating chamber interior heating means 13, and water supplied to a storage part 17 formed within the heating chamber by water supply means 16 is heated using storage part heating means 18 to thereby generate and supply steam. At the then time, based on the temperature of the interior of the heating chamber detected by heating chamber interior temperature detect means 20, a control part 19 controls the storage part heating means 18 in such a manner that the water in the storage part 17 is prevented from boiling on, before the steam is supplied. That is, since, by supplying the steam not boiling, the supply of the steam can be executed without increasing the temperature of the interior of the heating chamber, the excessive progress of fermentation can be prevented and thus the proper fermentation can be carried out.

IPC 8 full level
F24C 1/00 (2006.01); **F24C 1/04** (2006.01); **F24C 7/02** (2006.01); **F24C 15/32** (2006.01)

CPC (source: EP US)
F24C 1/14 (2013.01 - EP US); **F24C 15/327** (2013.01 - EP US)

Citation (search report)
• [X] EP 1372358 A1 20031217 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [X] US 5558010 A 19960924 - SHELTON WINSTON L [US]
• [X] US 4173215 A 19791106 - BUREAU JEAN Y [CA], et al
• [X] US 4770888 A 19880913 - LOEB LEO [US]
• [E] EP 1741987 A1 20070110 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [A] JP 2003050015 A 20030221 - SHARP KK
• See references of WO 2005106332A1

Cited by
EP1741987A4

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1741987 A1 20070110; EP 1741987 A4 20080611; CN 1950644 A 20070418; JP 2005315449 A 20051110; JP 4739688 B2 20110803; US 2007215142 A1 20070920; WO 2005106332 A1 20051110

DOCDB simple family (application)
EP 05734622 A 20050420; CN 200580013557 A 20050420; JP 2004130930 A 20040427; JP 2005007521 W 20050420; US 59978105 A 20050420