

Title (en)

System to dispense disposable spoons for foodstuffs and relative device

Title (de)

System zur Ausgabe von wegwerfbaren Löffeln für Nahrungsmittel und entsprechende Vorrichtung

Title (fr)

Système de distribution de cuillères jetables pour aliments et dispositifs correspondant

Publication

EP 0856272 A2 19980805 (EN)

Application

EP 97122967 A 19971230

Priority

IT UD970021 A 19970130

Abstract (en)

System to dispense disposable spoons for foodstuffs of the type used for eating loose or packaged ice cream or other similar foodstuff, the system arranging the spoons (11) one above the other in at least one layer (111) in a collection seating (15) inside a container (13), the collection seating (15) comprising a supporting plane (19) and guide means (20), the container (13) cooperating with expulsion means (12) comprising an extraction structure (16) equipped with at least a thruster element (27) associated with the spoon (11a) placed at the bottom of the layer (111), the extraction structure (16) being associated with activation means (17) accessible from outside the container (13). Device to dispense disposable spoons for foodstuffs of the type used for eating loose or packaged ice cream or other similar foodstuff, the device being able to be placed inside a containment and/or preservation element or directly on the sales counter of a food outlet, the device comprising a container (13) defining an at least partly closed collection seating (15) for the spoons (11), the collection seating (15) comprising lateral and longitudinal guide means (20) extending substantially vertically and a supporting plane (19), the device (10, 110) also comprising expulsion means (12) equipped with an extraction structure (16) arranged at least partly inside the container (13) and activation means (17) accessible from outside the container (13), the extraction structure (16) comprising at least a thruster element (27) cooperating with the spoon (11a) placed at the bottom of the layer (111), the container (13) including at least an aperture (30) for the outlet of the spoons (11). <IMAGE>

IPC 1-7

A47F 1/12

IPC 8 full level

A47F 1/10 (2006.01)

CPC (source: EP)

A47F 1/10 (2013.01)

Cited by

CN112739240A; US10898010B2; US9924816B2; US10220997B2; US10413089B2; US11147393B2; WO2004028309A1; US10779661B2; WO0105281A1; US10881220B2; US9693640B2; USRE48104E; US10842293B2; US9943176B2; US10010195B2; US10595647B2; US10617227B2; US10881221B2

Designated contracting state (EPC)

AT DE ES FR GB GR IT NL

DOCDB simple family (publication)

EP 0856272 A2 19980805; EP 0856272 A3 19990113; IT 1297194 B1 19990803; IT UD970021 A1 19980730

DOCDB simple family (application)

EP 97122967 A 19971230; IT UD970021 A 19970130