

Title (en)

Method of dispensing a pelletized functional material from a water-soluble container.

Title (de)

Verfahren zur Abgabe eines granulierten funktionellen Stoffes aus einem wasserlöslichen Behälter

Title (fr)

Méthode de distribution d'un produit fonctionnel sous forme de granulés à partir d'un récipient soluble dans l'eau.

Publication

EP 0314890 B2 20020227 (EN)

Application

EP 88113746 A 19880824

Priority

US 10445887 A 19871002

Abstract (en)

[origin: EP0314890A2] An article comprising a water soluble container containing a multiple use amount of a pelletized functional composition such as a fabric treatment composition, a warewashing composition, a laundry composition, a pot and pan presoak composition, a silverware presoak composition, a floor cleaner composition, a rinse additive composition, a disinfectant composition, a sanitizer composition, a general purpose cleaner composition, etc. The article may be optionally enclosed in a water impervious outerwrap. A method for using the article by placing the article inside a dispenser wherein the article is contacted with water having a sufficient temperature and pressure to dissolve the water soluble bag and the pelletized functional material contained therein in order to form a solution.

IPC 1-7

C11D 17/04

IPC 8 full level

B65D 77/00 (2006.01); **A47L 15/44** (2006.01); **C11D 7/14** (2006.01); **C11D 17/04** (2006.01); **D06F 39/02** (2006.01)

CPC (source: EP)

A47L 15/4436 (2013.01); **B01F 21/22** (2022.01); **B01F 35/7132** (2022.01); **C11D 7/14** (2013.01); **C11D 17/044** (2013.01); **A47L 15/4236** (2013.01)

Cited by

US5759501A; US5607651A; GB2394170A; EP1072675A3; AU681364B2; US5849253A; EP0507404A3; US5294361A; AU649525B2; US5384364A; IT201700000450A1; ITMI20130391A1; EP2843101A1; US7273841B2; US7325688B1; WO0248309A1; WO9617543A1; WO9413187A1; WO2023109413A1; WO02099028A1; WO9201037A1; WO2018127941A1

Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0314890 A2 19890510; EP 0314890 A3 19900926; EP 0314890 B1 19950419; EP 0314890 B2 20020227; EP 0314890 B9 20021016; AU 1066192 A 19920326; AU 2297988 A 19890406; AU 648865 B2 19940505; BR 8805071 A 19890509; CA 1309062 C 19921020; DE 3853612 D1 19950524; DE 3853612 T2 19960118; DE 3853612 T3 20020912; JP 2688074 B2 19971208; JP H01240461 A 19890926; MX 172057 B 19931201; NZ 225512 A 19901127

DOCDB simple family (application)

EP 88113746 A 19880824; AU 1066192 A 19920203; AU 2297988 A 19880930; BR 8805071 A 19881003; CA 579045 A 19880930; DE 3853612 T 19880824; JP 24587688 A 19880929; MX 1319888 A 19880928; NZ 22551288 A 19880721