

Title (en)  
MULTIPATHWAY PRODUCT DISTRIBUTION SYSTEM AND METHOD

Title (de)  
MEHRWEGEPRODUKTVERTEILSYSTEM UND -VERFAHREN

Title (fr)  
SYSTEME DE DISTRIBUTION DE PRODUITS A PARCOURS MULTIPLES ET PROCEDE ASSOCIE

Publication  
**EP 1399364 A4 20060719 (EN)**

Application  
**EP 02744775 A 20020628**

Priority  
• US 0220824 W 20020628  
• US 89697901 A 20010629

Abstract (en)  
[origin: WO03002411A1] A system and method for dividing a single stream of long, cooked noodles (16) into a plurality of product streams (46, 46a). The system includes an inlet conduit (14) for receiving the stream of cooked noodles, a rough portioner (32, 36) for dividing the stream of noodles into discrete portions, and a diverter mechanism (54a) which selectively directs the portions into one of two outlet streams. Additional diverter mechanisms (54b, 54c) may be disposed in the outlet streams to further divide and redirect the noodles into any number of final outlet streams (28A-D). The final outlet streams are directed toward container filling machines (12) which precisely measure the noodles and place them into containers. A computerized logic controller (80) can accommodate the failure of any one or more container filling machines by stopping flow to any combination of final outlet conduits while maintaining uninterrupted operation of the remainder of the system.

IPC 8 full level  
**B65B 1/06** (2006.01); **A23L 7/109** (2016.01); **B65B 19/34** (2006.01); **B65B 25/00** (2006.01); **B65B 37/00** (2006.01)

CPC (source: EP)  
**A23L 7/109** (2016.07); **B65B 19/34** (2013.01); **B65B 25/001** (2013.01); **B65B 37/00** (2013.01)

Citation (search report)  
• [A] DE 19855046 A1 20000608 - KNORR NAEHRMITTEL AG THAYNGEN [CH]  
• See references of WO 03002411A1

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

DOCDB simple family (publication)  
**WO 03002411 A1 20030109**; CA 2452671 A1 20030109; EP 1399364 A1 20040324; EP 1399364 A4 20060719

DOCDB simple family (application)  
**US 0220824 W 20020628**; CA 2452671 A 20020628; EP 02744775 A 20020628