

Title (en)

Device for automatically removing wrongly oriented elements from a supply line of caps, plugs or generally concave elements

Title (de)

Vorrichtung zur automatischen Entfernung falsch orientierter Elemente aus einer Zuleitung von Verschlüssen, Steckern oder allgemein konkaven Elementen

Title (fr)

Dispositif d'extraction automatique d'éléments mal orientés d'une ligne d'alimentation en capsules, en connecteurs ou en éléments généralement concaves

Publication

**EP 0782888 A2 19970709 (EN)**

Application

**EP 96830002 A 19960105**

Priority

IT RM950010 A 19950105

Abstract (en)

In a capping unit for containers comprising a cap hopper, at least one capper and a line for supplying the caps from the hopper to the capper, a device for automatically ejecting all wrongly oriented caps from the supply line comprising a mechanical sensor for stopping the train of caps along the line, an optical member for detecting the wrongly oriented caps, a mechanical ejector controlled by the optical member that ejects the wrongly oriented cap through an opening formed in the line and closed by a spring-operated lid. <IMAGE>

IPC 1-7

**B07C 5/02**

IPC 8 full level

**B07C 5/02** (2006.01); **B07C 5/34** (2006.01)

CPC (source: EP)

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Cited by

DE10307601B4; EP1357064A1; CN102914546A; CN114348666A; CN103130158A; CN102219114A; CN105000362A; CN103086145A; CN108082906A; US10207835B2; WO2008022735A1; WO9920406A1; WO2008125898A1; US7331443B2; US7837022B2; JP2010501436A; EP2789574B1

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