

Title (en)  
MANIPULATOR DEVICE, IN PARTICULAR FOR SOAP-MOULDING MACHINES

Publication  
**EP 0322563 A3 19890927 (EN)**

Application  
**EP 88119474 A 19881123**

Priority  
IT 2290387 A 19871204

Abstract (en)  
[origin: EP0322563A2] A manipulator device for extracting products (4) from a mold (5) and for arranging them on a conveyor belt, in particular for soap-molding machines or the like. The device comprises a main frame (2) which supports grip means (3) engageable with the products (4) to be extracted from a mold (5) and actuation means which act on the grip means to move them from a first position, in which they are arranged facing the mold, to a second position, in which they are arranged facing a conveyor belt. The actuation means comprise actuator means (7) which partially rotate the grip means about an axis which is substantially perpendicular to the plane of the face of the products which is engaged with the grip means to correctly position the products on the conveyor belt.

IPC 1-7  
**C11D 13/16**; B30B 15/32

IPC 8 full level  
**C11D 13/16** (2006.01); **C11D 13/14** (2006.01)

CPC (source: EP)  
**C11D 13/16** (2013.01)

Citation (search report)  
• [A] EP 0095667 B1 19861230  
• [A] GB 2023057 A 19791228 - MECCANICHE MODERNE SPA  
• [AP] WO 8807573 A1 19881006 - MAZZONI G MECC COSTR [IT]

Designated contracting state (EPC)  
DE ES GB IT

DOCDB simple family (publication)  
**EP 0322563 A2 19890705**; **EP 0322563 A3 19890927**; **EP 0322563 B1 19920902**; BR 8806371 A 19890822; DE 3874308 D1 19921008; DE 3874308 T2 19930225; ES 2034124 T3 19930401; IN 170173 B 19920222; IT 1223226 B 19900919; IT 8722903 A0 19871204; JP H01188600 A 19890727

DOCDB simple family (application)  
**EP 88119474 A 19881123**; BR 8806371 A 19881202; DE 3874308 T 19881123; ES 88119474 T 19881123; IN 1000CA1988 A 19881202; IT 2290387 A 19871204; JP 30678388 A 19881202