

Title (en)
CONTAINER-WASHING MACHINE

Publication
EP 0345470 B1 19920729 (DE)

Application
EP 89108215 A 19890506

Priority
DE 3819126 A 19880604

Abstract (en)
[origin: EP0345470A1] A washing machine for containers, such as ampoules (1), bottles or the like, has a circumferential conveying apparatus (20) which feeds the containers to spraying and blow-out apparatuses (16). For holding the containers, the conveying apparatus has on one conveying wheel (21) radially projecting tongs (22), four of which are arranged on one carrier (30) in each case. The carriers (30) are arranged rotatably on the conveying wheel by means of shafts (31) so that the containers fed in for spraying and blowing out in an upright position can be turned. In order to be able to keep the containers at a distance which is as small and as even as possible and to avoid collisions during turning, the carriers (30) are also arranged so as to be radially displaceable on the conveying wheel (21). Guide rollers (44, 45), guided in guide grooves (51, 55, 56), displace the shafts bearing the carriers during rotation of the conveying wheel. <IMAGE>

IPC 1-7
B08B 9/42

IPC 8 full level
B08B 9/42 (2006.01)

CPC (source: EP)
B08B 9/426 (2013.01)

Cited by
CN106111646A; CN103223410A; CN106111644A; EP0854102A1; US6079541A; EP0483712A1; EP1532916A3; CN103157623A; DE102014110107A1; DE102014110107B4; US10494245B2; WO2019207155A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0345470 A1 19891213; EP 0345470 B1 19920729; DE 3819126 A1 19900208; DE 58901929 D1 19920903

DOCDB simple family (application)
EP 89108215 A 19890506; DE 3819126 A 19880604; DE 58901929 T 19890506