

Title (en)
WALL-IRONING DEVICE

Publication
EP 0045115 B1 19840509 (EN)

Application
EP 81200864 A 19810730

Priority
NL 8004356 A 19800730

Abstract (en)
[origin: EP0045115A1] The invention relates to a device for wall-ironing sleeves (10), e.g. can bodies, containers etcetera having a wall portion near the open end with a thickness enlarged with respect to the wall thickness of the sleeve body, said device comprising at least two wall-ironing rings (2, 3, 4) and a wall-ironing mandril (8) movable through said rings (2, 3, 4) and having a relatively broad cylindrical front part (1) and a relatively narrow, cylindrical rear part. The invention provides a device of the kind set forth above in which the front part of the wall-ironing mandril, at the end facing the rear part, exhibits an annular recess (9) of a predetermined depth, the position of said recess (9) being such that after having passed through the wall-ironing ring last but one the sleeve wall has at least partly reached the recess, and that the material being located at the area of the recess after having passed through the wall-ironing ring last but one is located at least partly at the rear part after having passed through the last wall-ironing ring.

IPC 1-7
B21D 22/28

IPC 8 full level
B21D 22/28 (2006.01)

CPC (source: EP)
B21D 22/28 (2013.01)

Cited by
US5329799A; EP0164161A1; US4742949A; US5333484A; US11407022B2; CN106457342A; AU2015265443B2; EP2476494A1; WO9617700A3; US10022773B2; WO2015181791A1; WO2023021436A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0045115 A1 19820203; EP 0045115 B1 19840509; AT E7367 T1 19840515; AU 555312 B2 19860918; AU 7347181 A 19820204; CA 1179206 A 19841211; DE 3163500 D1 19840614; JP S57115922 A 19820719; NL 8004356 A 19820301; ZA 814566 B 19820728

DOCDB simple family (application)
EP 81200864 A 19810730; AT 81200864 T 19810730; AU 7347181 A 19810727; CA 382796 A 19810729; DE 3163500 T 19810730; JP 11701981 A 19810724; NL 8004356 A 19800730; ZA 814566 A 19810706