

Title (en)

IMPROVEMENTS TO MACHINES FOR CONE-SHAPING AND FLANGING OF AEROSOL CANS AND SIMILAR

Publication

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Application

EP 87115157 A 19871016

Priority

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- IT 2132187 A 19870716

Abstract (en)

[origin: EP0275369A2] A machine (2) for the cone-shaping of cans (16), of aerosol type, or similar, presents improvements in its basic parts. In particular, in it the rotator (38) holding the pliers (39) and the plate (53) holding dies (45) and spindles (65) are rapidly interchangeable, and all operations of replacement of the drums (11) of loading and (71) of discharge and the regulating shims (10) and filling of the feed lung are also rapid. The same machine, equipped with means of control and safety, is ready to be interfaced with an electronic line processor. To said machine are preferably coupled pliers (39) in which a pushing means (104) is equipped with a calibrated force sufficient to keep permanently in contact the ejector piston (106) with the bottom (108) of an object or can (16), fixed in position in a special seat (102). In said position the object (16) is held by peripheral pliers (107). Said calibrated force of the pusher (104) keeps the extractor piston (106) in contact with the bottom (108) also when the object (16) must undergo undesired displacements, in which case a proximity sensor (109) is capable of detecting the corresponding alignment displacement of a reference (118), integral to the same piston (106) and intervening on the stopping means of the operating machines.

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IPC 8 full level

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Cited by

WO2016051224A1; EP2486993A1; EP2364793A1; EP2363216A1; EP2364792A1; WO2021084150A1; EP1214994A1; US2015013422A1; US9873145B2; EP1531017A1; NL1012126C2; CH703706A1; US7578158B2; US8776572B2; DE102020214410A1; FR2912332A1; JP2008525196A; JP4881318B2; EP3586992A1; DE102018210527A1; WO2006048056A1; WO0071279A1; WO2008110679A1; US8006826B2; US8037728B2; EP3498393A1; EP2363215A1; US8997544B2; US8096156B2; US8438897B2; US8807325B2; US8826715B2; EP2851141A1; EP3053668A1; US7395685B2; US7398665B2; US8245556B2; US8584502B2; US8627698B2; US10807144B2; EP1595616B1

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