

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

0 219 676
A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **86112633.2**(51) Int. Cl.4: **B21D 51/26**(22) Date of filing: **12.09.86**(30) Priority: **22.10.85 IT 2348885 U**(43) Date of publication of application:
29.04.87 Bulletin 87/18(84) Designated Contracting States:
CH DE FR LI(88) Date of deferred publication of the search report:
15.03.89 Bulletin 89/11(71) Applicant: **TUBETTIFICIO EUROPEO S.p.A.**
Via Rosmini, 4
I-22053 Lecco (CO)(IT)(72) Inventor: **Stocco, Moreno**
Via Della Quadra, 23
I-22050 Abbadia Lariana CO(IT)(74) Representative: **Trupiano, Roberto et al**
BREVETTI EUROPA S.r.l. Piazza Bernini, 6
I-20133 Milano (MI)(IT)

(54) **Automatic tapering machine for the accomplishment, by means of sequential taperings, of the head opening of metal containers and the like.**

(57) Tapering machine, of the type with pieces-bearing rotary table (2) opposite to a tool-bearing plate (5), particularly suitable to accomplish, in a plurality of sequential tapering stations and in a completely automatic way, the end tapering into a cone shape of the mouth of metal containers, substantially of the head opening (mouths) of such cylindrical containers with closed bottom as can and the like, already painted or pre-treated on their outer surface.

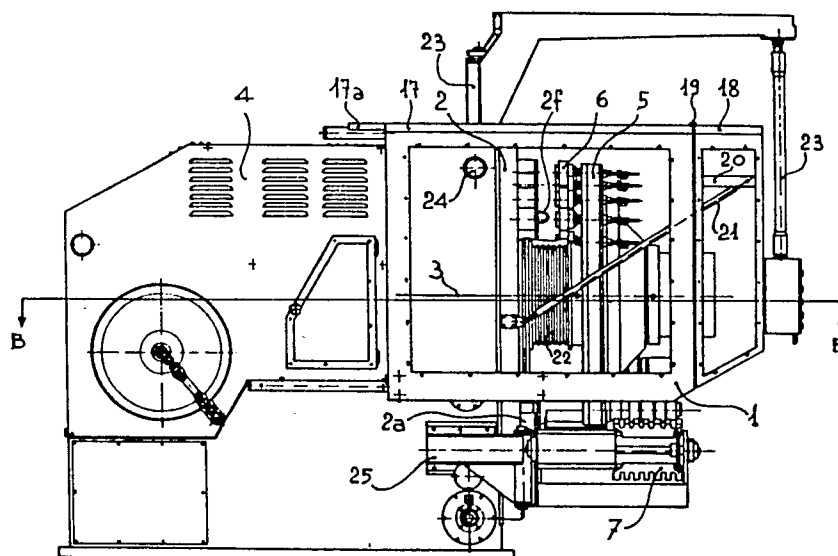


Fig. 2

Xerox Copy Centre.

EP 0 219 676 A3



EP 86 11 2633

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	US-D- 546 631 (NATIONAL CAN CORP.) * Whole document * ---	1-6	B 21 D 51/26
X	US-A-3 913 366 (GULF & WESTERN MANUFACTURING CO.) * Columns 15-18; figures * ---	1-6	
X	US-A-4 272 977 (L.A. GOMBAS) * Column 22, lines 9-68; columns 23-32; figures * ---	1-6	
X	US-A-3 610 009 (FRANEK) * Whole document * ---	1-6	
A	FR-A-1 552 950 (FMI) ---		
A	US-A-4 070 888 (COORS CONTAINER CO.) ---		
A	GB-A-2 132 533 (NATIONAL CAN CORP.) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 21 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16-12-1988	Examiner PEETERS L.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			