

Title (en)
Variable delivery teat.

Title (de)
Sauger mit einstellbarem Durchfluss.

Title (fr)
Tétine à débit variable.

Publication
EP 0382631 A1 19900816 (FR)

Application
EP 90400329 A 19900207

Priority
FR 8901611 A 19890208

Abstract (en)
[origin: WO9009161A1] The variable feed rate nipple (1) of the invention, adapted to a feeding bottle and comprising at the end of its teat (2) a slot (3) having two branches (3a, 3b) forming between each other an angle, is characterized in that the angle formed by the two branches of the slots (3) is an obtuse angle GAMMA comprised between 165 DEG and 95 DEG , of which the summit is on the axis of the nipple, in that the branches of the slot have lengths l1 and l2 (with l1 > l2), such that the ratio l1/l2 is comprised between 1 and delta , the value of delta growing from 1 to 10, preferably from 1 to 4.5 when the value of the angle GAMMA decreases from 165 to 95 DEG , said branches of the slot (3) being formed by cutting lines without removal of material and opening at their non adjacent extremities into a small cross-section hole (4b, 4c).

Abstract (fr)
La tétine (1) à débit variable conforme à l'invention, destinée à s'adapter sur un biberon, et comportant à l'extrémité de son mamelon (2) une fente (3) ayant deux branches (3a, 3b) formant entre elles un angle est caractérisée par le fait que l'angle des deux branches de la fente (3) est un angle obtus Γ compris entre 165° et 95°, dont le sommet est sur l'axe de la tétine, que les branches de la fente ont des longueurs l1 et l2 (avec l1 > l2), telles que le rapport l1 / l2 soit compris entre 1 et δ , la valeur δ croissant de 1 à 10, de préférence de 1 à 4,5 lorsque la valeur de l'angle Γ décroît de 165 à 95°, lesdites branches de la fente (3) étant constituées par des lignes de coupe sans enlèvement de matière débouchant à leurs extrémités non adjacentes dans un trou de faible section (4b, 4c).

IPC 1-7
A61J 11/00

IPC 8 full level
A61J 11/00 (2006.01); **A61J 11/02** (2006.01)

CPC (source: EP KR US)
A61J 11/00 (2013.01 - KR); **A61J 11/001** (2013.01 - EP US); **A61J 11/0015** (2013.01 - EP US)

Citation (search report)

- [AD] US 2805663 A 19570910 - ROBINSON HARRY K, et al
- [A] US 2063424 A 19361208 - EIMER FERGUSON
- [AD] FR 2052206 A5 19710409 - OREAL

Cited by
FR2715062A1; US6102245A; EP1755525A4; CN105769585A; FR2726466A1; US10940600B2; WO9731610A1; US7204380B2; WO2005110336A2; US7540388B2; EP0634922B1

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

DOCDB simple family (publication)
EP 0382631 A1 19900816; EP 0382631 B1 19920812; AT E79250 T1 19920815; BR 9005027 A 19910806; CA 2025669 A1 19900809; CA 2025669 C 20000411; DE 69000247 D1 19920917; DE 69000247 T2 19930107; DK 0382631 T3 19920928; ES 2034823 T3 19930401; FR 2642646 A1 19900810; FR 2642646 B1 19910405; GR 3005428 T3 19930524; IE 63659 B1 19950531; IE 900396 L 19900808; JP 2930218 B2 19990803; JP H03504455 A 19911003; KR 910700038 A 19910313; MA 21742 A1 19901001; OA 09267 A 19920831; PT 9235 T 19960430; PT 9235 U 19970829; PT 93072 A 19900831; TN SN90012 A1 19910305; TR 24482 A 19911101; US 5117994 A 19920602; WO 9009161 A1 19900823

DOCDB simple family (application)
EP 90400329 A 19900207; AT 90400329 T 19900207; BR 9005027 A 19900208; CA 2025669 A 19900208; DE 69000247 T 19900207; DK 90400329 T 19900207; ES 90400329 T 19900207; FR 8901611 A 19890208; FR 9000123 W 19900208; GR 920401716 T 19920813; IE 39690 A 19900202; JP 50361690 A 19900208; KR 900702186 A 19900928; MA 22004 A 19900205; OA 59868 A 19901008; PT 923595 U 19951222; PT 9307290 A 19900206; TN SN90012 A 19900208; TR 11990 A 19900208; US 58290490 A 19901009