

Title (en)
ORTHODONTIC NIPPLE

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Abstract (en)
[origin: US4834099A] PCT No. PCT/EP86/00503 Sec. 371 Date Jun. 29, 1987 Sec. 102(e) Date Jun. 29, 1987 PCT Filed Aug. 28, 1986 PCT Pub. No. WO87/01277 PCT Pub. Date Mar. 12, 1987. The feeding nipple contains an annular connecting part the outer face of which defines a base plane and a central longitudinal axis perpendicular thereto, as well as a hemispherical shell and a hollow nozzle portion, integrally formed onto it via a narrowed neck part, having a suction opening in its rounded tip. All components form a one-piece hollow body of an elastomeric material which is mirror-symmetrical with respect to a plane of symmetry containing the longitudinal axis. A plane of division, perpendicular to the plane of symmetry and axially dividing the hollow nozzle portion in a longitudinal direction intersects the longitudinal axis near the base plane and is spaced apart from it at the apex of the rounded tip by approximately 6 mm. The hollow nozzle portion, including the neck part is limited on the inside by ellipses parallel to the base plane, the minor axes of which are located in the plane of symmetry, and all points of the ellipses are located within a reference intersection curve at the narrowest outer cross section of the neck at a minimum distance of 0.5 mm. The hollow nozzle portion includes a thickened region, the maximum value of which is located for approximately half of its length in the plane of symmetry. The feeding nipple can be produced economically and in a shape optimized for pressure molding (injection molding).

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