

CPC**COOPERATIVE PATENT CLASSIFICATION****A61J**

CONTAINERS SPECIALLY ADAPTED FOR MEDICAL OR PHARMACEUTICAL PURPOSES; DEVICES OR METHODS SPECIALLY ADAPTED FOR BRINGING PHARMACEUTICAL PRODUCTS INTO PARTICULAR PHYSICAL OR ADMINISTERING FORMS; DEVICES FOR ADMINISTERING FOOD OR MEDICINES ORALLY; BABY COMFORTERS; DEVICES FOR RECEIVING SPITTLE

A61J 1/00

Containers specially adapted for medical or pharmaceutical purposes ([capsules or the like for oral use A61J 3/07](#); [boxes for medical appliances, doctors' bags A61B 19/02](#); [antithrombogenic treatment of articles for conditioning blood A61L 33/00](#); [devices for introducing media into or onto the body A61M](#) ; [containers for radioactive substances G21F 5/00](#))

- A61J 1/03 . for pills or tablets ([containers with special dispensing means therefor B65D 83/04](#))
- A61J 1/035 .. {[Blister-type containers \(blisters in general B65D 75/36\)](#) }
- A61J 1/05 . for collecting, storing or administering blood, plasma or medical fluids { ([multiple bags systems for separating or storing blood components A61M 1/0209](#)) ; [Infusion or perfusion containers](#) }
- A61J 1/06 .. Ampoules or carpules ([syringe ampoules or carpules A61M 5/28](#))
- A61J 1/062 ... {[Carpules](#) }
- A61J 1/065 ... {[Rigid ampoules, e.g. glass ampoules](#) }
- A61J 1/067 ... {[Flexible ampoules, the contents of which are expelled by squeezing](#) }
- A61J 1/10 .. Bag-type containers
- A61J 1/12 ... with means for holding samples of contents
- A61J 1/14 .. Details, { [e.g. inlet or outlet ports, provisions for hanging, shape retaining means](#) }; Accessories therefor, { [e.g. connections of tubings, valves, caps \(plugs or stoppers B65D 51/00\)](#) } ([A61J 7/00 takes precedence; openers B65D , B67B 7/00](#))]
- A61J 1/1406 ... { [Septums, pierceable membranes](#) }
- A61J 1/1412 ... { [Containers with closing means, e.g. caps \(plugs for containers B65D 51/00\)](#) }
- A61J 2001/1418 threaded type
- A61J 2001/1425 snap-fit type
- A61J 2001/1431 permanent type, e.g. welded or glued
- A61J 1/1437 ... { [Locking means requiring key or combination to open the container](#) }
- A61J 1/1443 ... {[Containers with means for dispensing liquid medicaments in a filtered or sterile way, e.g. with bacterial filters](#) }
- A61J 2001/145 using air filters
- A61J 2001/1456 using liquid filters
- A61J 1/1462 ... { [Containers with provisions for hanging, e.g. integral adaptations of the container \(accessories for hanging the container A61J 1/16, A61M 5/1414\)](#) }
- A61J 2001/1468 ... Containers with specific material properties
- A61J 1/1475 ... { [Inlet or outlet ports](#) }
- A61J 2001/1481 with connection retaining means, e.g. thread or snap-fit

A61J 2001/1487	....	with friction fit, e.g. connecting tubes directly to a protruding port
A61J 1/1493	...	{ Containers with shape retaining means, e.g. to support the structure of the container during emptying or filling }
A61J 1/16	...	Holders for containers
A61J 1/165	....	{ Cooled holders, e.g. for medications, insulin, blood, plasma (containers with thermal insulation in general B65D 81/38 ; ice-boxes F25D) }
A61J 1/18	...	Arrangements for indicating condition of container contents, e.g. sterile condition
A61J 1/20	...	Arrangements for transferring { or mixing } fluids, e.g. from vial to syringe { (containers in general with provisions for mixing contents B65D 81/32) }
A61J 2001/2003	....	Accessories used in combination with means for transfer or mixing of fluids, e.g. for activating fluid flow, separating fluids, filtering fluid or venting
A61J 2001/2006	.....	Piercing means
A61J 2001/201	.....	having one piercing end
A61J 2001/2013	.....	having two piercing ends
A61J 2001/2017	.....	having more than two piercing ends
A61J 2001/202	.....	Separating means
A61J 2001/2024	.....	having peelable seals
A61J 2001/2027	.....	having frangible parts
A61J 2001/2031	.....	having openings brought into alignment
A61J 2001/2034	.....	having separation clips
A61J 2001/2037	.....	having valve means
A61J 2001/2041	.....	having removable plugs
A61J 2001/2044	.....	having slits
A61J 2001/2048	.....	Connecting means
A61J 2001/2051	.....	having tap means, e.g. tap means activated by sliding
A61J 2001/2055	.....	having gripping means
A61J 2001/2058	.....	having multiple connecting ports
A61J 2001/2062	.....	with directional valves
A61J 2001/2065	.....	having aligning and guiding means
A61J 2001/2068	.....	Venting means
A61J 2001/2072	.....	for internal venting
A61J 2001/2075	.....	for external venting
A61J 2001/2079	.....	Filtering means
A61J 2001/2082	.....	for gas filtration
A61J 2001/2086	.....	for fluid filtration
A61J 1/2089	....	{ Containers or vials which are to be joined to each other in order to mix their contents (combinations of vial and syringe for mixing their contents A61J 1/2096) }
A61J 1/2093	....	{ Containers having several compartments for products to be mixed }
A61J 1/2096	....	{ Combination of a vial and a syringe for transferring or mixing their contents }
A61J 1/22	....	with means for metering the amount of fluid

A61J 3/00 **Devices or methods specially adapted for bringing pharmaceutical products into particular physical or administering forms** (chemical aspects, see the relevant classes)

- A61J 3/002 . {Compounding apparatus specially for enteral or parenteral nutritive solutions (bottling liquids [B67C](#)) }
- A61J 3/005 . {Coating of tablets or the like (coating of sweetmeats or confectionery [A23G 3/20](#); coating of granules in general [B01J 2/006](#)) }
- A61J 3/007 . {Marking tablets or the like (apparatus for printing on tablets or the like [B41F 17/36](#)) }
- A61J 3/02 . into the form of powders (pulverising in general [B02C](#))
- A61J 3/04 . into the form of ointments
- A61J 3/06 . into the form of pills, lozenges or dragees
- A61J 3/07 . into the form of capsules or similar small containers for oral use
- A61J 3/071 . . {into the form of telescopically engaged two-piece capsules }
- A61J 3/072 . . . {Sealing capsules, e.g. rendering them tamper-proof }
- A61J 3/074 . . . {Filling capsules; Related operations }
- A61J 3/075 {Manually operated filling apparatus }
- A61J 3/077 . . . {Manufacturing capsule shells }
- A61J 3/078 . . {into the form of wafers or cachets }
- A61J 3/08 . into the form of suppositories or sticks
- A61J 3/10 . into the form of compressed tablets (tablet presses [B30B 11/00](#))

Guidance heading: Administering medicines orally; Feeding-bottles in general; Teats; Devices for receiving spittle

A61J 7/00 **Devices for administering medicines orally, e.g. spoons** (calibrated capacity measures for fluids or fluent solid material [G01F 19/00](#); weighing spoons [G01G 19/56](#)) ; **Pill counting devices; Arrangements for time indication or reminder for taking medicine**

- A61J 7/0007 . {Pill breaking or crushing devices }
- A61J 7/0015 . { Devices specially adapted for taking medicines }
- A61J 7/0023 . . { Spoons }
- A61J 7/003 . . { Sticks, e.g. lollipops with drug release }
- A61J 7/0038 . . { Straws }
- A61J 7/0046 . . { Cups, bottles or bags }
- A61J 7/0053 . . { Syringes, pipettes or oral dispensers }
- A61J 7/0061 . . { Swallow helping devices, e.g. tongue shields }
- A61J 7/0069 . {Trays for holding or distributing medicines (display trays [A47F 3/14](#); serving trays [A47G 23/06](#)) }
- A61J 7/0076 . {Medicament distribution means (with pill counting devices [A61J 7/02](#); with time indication [A61J 7/04](#); containers or packages with special means for dispensing

- contents [B65D 83/00](#) }
- A61J 7/0084 . . {for multiple medicaments }
- A61J 7/0092 . {for holding medicines in, or fixing medicines on, a tooth, e.g. holder containing medicines fixed on a tooth (medicament applicators for teeth or gums [A61C 19/063](#)) }
- A61J 7/02 . Pill counting devices
- A61J 7/04 . Arrangements for time indication or reminder for taking medicine, e.g. programmed dispensers
- A61J 7/0409 . . {with timers }
- A61J 2007/0418 . . . with electronic history memory
- A61J 2007/0427 . . . with direct interaction with a dispensing or delivery system
- A61J 2007/0436 resulting from removing a drug from, or opening, a container
- A61J 2007/0445 by preventing drug dispensing during a predetermined time period
- A61J 2007/0454 . . . for multiple drugs
- A61J 2007/0463 . . . for multiple patients
- A61J 7/0472 . . . {of the count-down type, i.e. counting down a predetermined interval after each reset }
- A61J 7/0481 . . . {working on a schedule basis }
- A61J 2007/049 changed automatically as a reaction on a schedule deviation due to the patient

- A61J 9/00** **Feeding-bottles in general (electric heating elements [H05B](#))**
- A61J 9/001 . {with inner liners }
- A61J 9/003 . {Vacuum feeding-bottles (vacuum bottles in general [A47J 41/02](#)) }
- A61J 9/005 . {Non-rigid or collapsible feeding-bottles }
- A61J 9/006 . { having elongated tubes, e.g. for drinking from bottle in upright position }
- A61J 9/008 . { having storage compartments, e.g. for storing a teat }
- A61J 9/02 . with thermometers
- A61J 9/04 . with means for supplying air
- A61J 9/06 . Holders for bottles
- A61J 2009/0607 . . having aesthetic properties, e.g. toy-like or imitating a female breast
- A61J 2009/0615 . . providing isolation
- A61J 2009/0623 . . facilitating gripping
- A61J 2009/063 . . having a particular supporting function
- A61J 2009/0638 . . . for supporting in a feeding position
- A61J 2009/0646 . . . for supporting only in a non-feeding position
- A61J 2009/0653 . . characterised by the type of support

- A61J 2009/0661 . . . attachable to a device or furniture, e.g. crib, commode or stroller
- A61J 2009/0669 . . . supported by the infant
- A61J 2009/0676 . . . supported by the caregiver
- A61J 2009/0684 . . . having a self supporting base
- A61J 2009/0692 . . . comprising a flexible arm

- A61J 9/08 . Protective covers for bottles
- A61J 9/085 . . { Lids for closing the bottle }

A61J 11/00 Teats

- A61J 11/0005 . { having additional ports, e.g. for connecting syringes or straws (devices for administering medicines orally [A61J 7/00](#)) }
- A61J 11/001 . { having means for regulating the flow rate }
- A61J 11/0015 . . { by size or shape of the opening }
- A61J 11/002 . . { by using valves }
- A61J 11/0025 . { having filters }
- A61J 11/003 . { having means for incorporating a mother's scent }
- A61J 11/0035 . { having particular shape or structure }
- A61J 11/004 . . { angled, e.g. in respect to the bottle }
- A61J 11/0045 . . { Aesthetic properties }
- A61J 11/005 . . . { for imitating a nipple }
- A61J 11/0055 . . . { for soothing, e.g. toy-like }
- A61J 11/006 . . { for improving flexibility }
- A61J 11/0065 . . { for improving rigidity, e.g. anti-bite-through or anti-collapsing }
- A61J 11/007 . { having orthodontic properties, e.g. for promoting correct teeth development }
- A61J 11/0075 . { Accessories therefor }
- A61J 11/008 . . { Protecting caps }
- A61J 11/0085 . . . { with means for preventing leakage }
- A61J 11/009 . . { Puncturing tools, e.g. for creating an opening in the teat }
- A61J 11/0095 . . { Seal rupturing means (containers having several compartments for products to be mixed [A61J 1/2093](#)) }
- A61J 11/02 . with means for supplying air
- A61J 11/04 . with means for fastening to bottles
- A61J 11/045 . . { with interlocking means, e.g. protrusions or indentations on the teat }

A61J 13/00 Breast-nipple shields (breast-pumps [A61M 1/06](#))

A61J 15/00 Feeding-tubes for therapeutic purposes (drinking tubes as tableware [A47G 21/18](#))

- A61J 15/0003 . { Nasal or oral feeding-tubes, e.g. tube entering body through nose or mouth }
- A61J 15/0007 .. { inserted by using a guide-wire (guide wires [A61M 25/09](#)) }
- A61J 15/0011 . { Feeding-tubes for delivery of nourishment to the mouth; Mouth pieces therefor (breast-nipple shields [A61J 13/00](#); mouth pieces for drinking straws [A47G 21/185](#); straws to take medicine [A61J 7/0038](#), mouthpieces for tracheal tubes [A61M 16/0488](#)) }
- A61J 15/0015 . { Gastrostomy feeding-tubes (insertion tools or methods [A61B 17/34](#)) }
- A61J 15/0019 .. { inserted by using a pull-wire }
- A61J 15/0023 .. { inserted by using a sheath }
- A61J 15/0026 . { Parts, details or accessories for feeding-tubes (external tubes from the medical container to a connector outside of the body [A61M 39/08](#)) }
- A61J 15/003 .. { Means for fixing the tube inside the body, e.g. balloons, retaining means (holding devices holding in the body [A61M 25/04](#)) }
- A61J 15/0034 ... { Retainers adjacent to a body opening to prevent that the tube slips through, e.g. bolsters }
- A61J 15/0038 { expandable, e.g. umbrella type }
- A61J 15/0042 { inflatable }
- A61J 15/0046 ... { Expandable retainers inside body lumens of the enteral tract, e.g. fixing by radially contacting a lumen wall }
- A61J 15/0049 { Inflatable Balloons (balloon catheters [A61M 25/10](#)) }
- A61J 15/0053 .. { Means for fixing the tube outside of the body, e.g. by a special shape, by fixing it to the skin (holding devices, e.g. on the body [A61M 25/02](#), mouthpieces for tracheal tubes [A61M 16/0488](#); transcutaneous access sites [A61M 39/0247](#)) }
- A61J 15/0057 ... { fixing a tube end, i.e. tube not protruding the fixing means }
- A61J 15/0061 ... { fixing at an intermediate position on the tube, i.e. tube protruding the fixing means }
- A61J 15/0065 ... { Fixing means and tube being one part }
- A61J 15/0069 .. { Tubes feeding directly to the intestines, e.g. to the jejunum }
- A61J 15/0073 .. { Multi-lumen tubes }
- A61J 2015/0076 .. Feeding pumps ([A61M 1/00](#), [A61M 5/142](#), [A61M 25/1018](#) take precedence)
- A61J 2015/008 .. Sensor means, e.g. sensing reflux, acidity, pressure (sensors for diagnostic purposes [A61B 5/00](#); sensors for inflation control [A61M 25/1018](#))
- A61J 2015/0084 ... for sensing parameters of the patient
- A61J 2015/0088 ... for sensing parameters of the device
- A61J 15/0092 .. { Valves on feeding tubes (Tube valves [A61M 39/22](#)) }
- A61J 15/0096 .. { Provisions for venting }

A61J 17/00 Baby-comforters; Teething rings

- A61J 2017/001 . Baby-comforters
- A61J 2017/002 .. with music box
- A61J 2017/003 .. with thermometer
- A61J 2017/005 .. light-emitting

A61J 2017/006	.. releasing medication
A61J 2017/007	.. mounted on soft cushion or doll
A61J 2017/008	.. with protective shield
A61J 17/02	. Teething rings
A61J 19/00	Devices for receiving spittle, e.g. spittoons ({devices for taking sputum samples A61B 10/0051 }; for dentists A61C 17/04)
A61J 19/02	. Sputum flasks
A61J 19/04	. Spittoons with water supply
A61J 19/06	. Combustible sputum cups
A61J 2200/00	General characteristics or adaptations
A61J 2200/10	. Coring prevention means, e.g. for plug or septum piecing members
A61J 2200/20	. Extrusion means, e.g. for producing pharmaceutical forms
A61J 2200/30	. Compliance analysis for taking medication
A61J 2200/40	. Heating or cooling means; Combinations thereof
A61J 2200/42	.. Heating meansf
A61J 2200/44	.. Cooling means
A61J 2200/50	. Insulating means
A61J 2200/60	. biodegradable
A61J 2200/70	. Device provided with specific sensor or indicating means
A61J 2200/72	.. for temperature
A61J 2200/74	.. for weight
A61J 2200/76	.. for fluid level
A61J 2205/00	General identification or selection means
A61J 2205/10	. Bar codes
A61J 2205/20	. Colour codes
A61J 2205/30	. Printed labels
A61J 2205/40	. by shape or form, e.g. by using shape recognition
A61J 2205/50	. using icons or symbolic figures, e.g. by a graphical representation symbolising the type of pathology or the organ by an image

- [A61J 2205/60](#) . using magnetic or electronic identifications, e.g. chips, RFID, electronic tags
- [A61J 2205/70](#) . Audible labels, e.g. for pre-recorded info or messages