

**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 <a href="#">B65D 81/38</a> ; ice-boxes <a href="#">F25D</a> )}
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 <a href="#">B65D 81/32</a> )}
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 <a href="#">A61J 1/2096</a> )}
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

<b>A61J 3/00</b>	<b>Devices or methods specially adapted for bringing pharmaceutical products into particular physical or administering forms</b> (chemical aspects, see the relevant classes)
A61J 3/002	. {Compounding apparatus specially for enteral or parenteral nutritive solutions (bottling liquids <a href="#">B67C</a> )}
A61J 3/005	. {Coating of tablets or the like (coating of sweetmeats or confectionery <a href="#">A23G 3/20</a> ; coating of granules in general <a href="#">B01J 2/006</a> )}
A61J 3/007	. {Marking tablets or the like (apparatus for printing on tablets or the like <a href="#">B41F 17/36</a> )}
A61J 3/02	. into the form of powders (pulverising in general <a href="#">B02C</a> )
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 <a href="#">B30B 11/00</a> )

**Administering medicines orally; Feeding-bottles in general; Teats; Devices for receiving spittle**

<b>A61J 7/00</b>	<b>Devices for administering medicines orally, e.g. spoons</b> (calibrated capacity measures for fluids or fluent solid material <a href="#">G01F 19/00</a> ; weighing spoons <a href="#">G01G 19/56</a> ); <b>Pill counting devices; Arrangements for time indication or reminder for taking medicine</b>
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 <a href="#">A47F 3/14</a> ; serving trays <a href="#">A47G 23/06</a> )}
A61J 7/0076	. {Medicament distribution means (with pill counting devices <a href="#">A61J 7/02</a> ; with time indication <a href="#">A61J 7/04</a> ; containers or packages with special means for dispensing contents <a href="#">B65D 83/00</a> )}
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 <a href="#">A61C 19/063</a> )}

- 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 <a href="#">A61M 25/10</a> )}
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 <a href="#">A61M 25/02</a> , mouthpieces for tracheal tubes <a href="#">A61M 16/0488</a> ; transcutaneous access sites <a href="#">A61M 39/0247</a> )}
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 ( <a href="#">A61M 1/00</a> , <a href="#">A61M 5/142</a> , <a href="#">A61M 25/1018</a> take precedence)}
A61J 2015/008	..	{Sensor means, e.g. sensing reflux, acidity, pressure (sensors for diagnostic purposes <a href="#">A61B 5/00</a> ; sensors for inflation control <a href="#">A61M 25/10184</a> )}
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 <a href="#">A61M 39/22</a> )}
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