

**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. strile 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

- 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
  - .. {with timers}
  - ... {with electronic history memory }
  - ... {with direct interaction with a dispensing or delivery system }
  - .... {resulting from removing a drug from, or opening, a container }
  - .... {by preventing drug dispensing during a predetermined time period }
  - ... {for multiple drugs }
  - ... {for multiple patients }
  - ... {of the count-down type, i.e. counting down a predetermined interval after each reset}
  - ... {working on a schedule basis}
  - .... {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
  - .. {having aesthetic properties, e.g. toy-like or imitating a female breast }
  - .. {providing isolation }
  - .. {facilitating gripping }
  - .. {having a particular supporting function }
  - ... {for supporting in a feeding position }
  - ... {for supporting only in a non-feeding position }
  - .. {characterised by the type of support }
  - ... {attachable to a device or furniture, e.g. crib, commode or stroller }
  - ... {supported by the infant }
  - ... {supported by the caregiver }
  - ... {having a self supporting base }
  - ... {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 25/10184](#))}
- 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