A23N  MACHINES OR APPARATUS FOR TREATING HARVESTED FRUIT, VEGETABLES OR FLOWER BULBS IN BULK; NOT OTHERWISE PROVIDED FOR; PEELING VEGETABLES OR FRUIT IN BULK; APPARATUS FOR PREPARING ANIMAL FEEDING-STUFFS (machines for cutting straw or fodder A01F 29/00; disintegrating, e.g. shredding, B02C; severing, e.g. cutting, splitting, slicing B26B, B26D)

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00  Machines or apparatus for extracting juice (preparation of non-alcoholic beverages, e.g. by adding ingredients to fruit or vegetable juices, A23L 2/00; apparatus for making beverages A47J 31/00 [centrifuges B04B]; extracting presses B30B)

1/003  . (especially for citrus fruits)

1/006  . [by electroplasmolysis (preserving of fruit or vegetables by electroplasmolytic treatment A23B 7/015)]

1/02  . combined with disintegrating or cutting

3/00  Machines for coring or stoning fruit, characterised by their feeding device (A23N 4/00 takes precedence {; kitchen devices for stoning fruit A47J 25/00})

3/02  . with feeder-drum

3/04  . with endless feeder-belts

3/06  . with feeder-tables

4/00  Machines for stoning fruit or removing seed-containing sections from fruit, characterised by their stoning or removing device (for peeling fruit and removing seed-containing sections A23N 7/08; domestic devices for stoning fruit A47J 23/00, for coring fruit A47J 25/00)

4/02  . for stoning fruit

4/04  . . for peaches, plums, apricots or the like

4/06  . . for cherries or the like (A23N 4/04 takes precedence)

4/08  . . for dates, olives or the like oblong fruits

4/085  . . . {for olives}

4/10  . . for fruit with very small pits, e.g. raisins

4/12  . . for coring fruit [{for household appliances B26B}]

4/14  . . for apples, pears or the like

4/16  . . for tomatoes or the like

4/18  . . for citrus fruits

4/20  . . for pineapples

4/22  . . for both splitting and stoning

4/24  . for removing seed-containing sections from cut fruit {material in A23N 4/12)

5/00  Machines for hulling, husking or cracking nuts {household nutcrackers A47J 43/26)

5/002  . {for skinning nut kernels}

5/004  . {for palmnuts (A23N 5/002 and A23N 5/08 take precedence)}

5/006  . {for chestnuts (A23N 5/002 and A23N 5/08 take precedence)}

5/008  . {for almonds (A23N 5/002 and A23N 5/08 take precedence)}

5/01  . for peanuts

5/03  . for coconuts (A23N 5/08 takes precedence)

5/08  . for removing fleshy or fibrous hulls of nuts (for peanuts A23N 5/01)

7/00  Peeling vegetables or fruit (devices for skinning onions A23N 15/08; {peeling by non-mechanical means A23P}; peeling machines of the household type A47J 17/00)

7/002  . {Peeling pinacapples (A23N 7/005 and A23N 7/01 take precedence)}

7/005  . {Peeling with steam}

2007/007  . [Brush rollers for peeling fruit or vegetables]

7/01  . using chemical substances, e.g. lye

7/02  . Peeling potatoes, apples or similarly shaped vegetables or fruit [{A23N 7/005 and A23N 7/01 take precedence}]

7/023  . . {one by one}

7/026  . . [Peeling machines therefor with rotary fruit holding spindles and fixed or movable peeler blades]

7/04  . Peeling asparagus [{A23N 7/005 and A23N 7/01 take precedence}]

7/08  . for peeling fruit and removing seed-containing sections

7/10  . Driving mechanisms

11/00  Removing pith from stems
Machines for cleaning, blanching, drying or roasting fruits or vegetables, e.g. coffee, cocoa, nuts (methods for treating, e.g. roasting, coffee or cocoa, A23F, A23G; cleaning, e.g. washing, or drying grain B02B 1/00; separating solids from solids for cleaning B07B; cleaning in general B08B; heating devices per se, see the relevant classes, e.g. F24; drying machines in general F26B)

Machines or apparatus for other treatment of fruits or vegetables for human purposes; Machines or apparatus for topping or skinning flower bulbs (treatment of coffee, other than drying or roasting A23F; treatment of cocoa A23G 1/02)

Apparatus specially adapted for preparing animal feeding-stuffs (automatic devices for the distribution of liquid fodder for stock or game A01K 5/0216; sucking apparatus for young stock A01K 9/00)