## SECTION B — PERFORMING OPERATIONS; TRANSPORTING

## **B02** CRUSHING, PULVERISING, OR DISINTEGRATING; PREPARATORY TREATMENT OF **GRAIN FOR MILLING**

PREPARING GRAIN FOR MILLING; REFINING GRANULAR FRUIT TO COMMERCIAL PRODUCTS BY **B02B** WORKING THE SURFACE (making dough from cereals directly A21C; preservation or sterilisation of cereals A23B; cleaning fruit A23N; preparation of malt C12C)

1/00	<b>Preparing grain for milling or like processes</b> (hulling, husking, decorticating, polishing, removing the awns, or degerming B02B 3/00) <b>[1, 2006.01]</b>	3/02 3/04 3/06	<ul> <li>by means of discs [1, 2006.01]</li> <li>by means of rollers [1, 2006.01]</li> <li>by means of screws or worms [1, 2006.01]</li> </ul>
1/02	• Dry treatment (sifting or sorting in general B07) <b>[1, 2006.01]</b>	3/08 3/10	<ul> <li>by means of beaters or blades [1, 2006.01]</li> <li>by means of brushes [1, 2006.01]</li> </ul>
1/04	<ul> <li>Wet treatment, e.g. washing, wetting, softening [1, 2006.01]</li> <li>Devices with rotary parts [1, 2006.01]</li> </ul>	3/12 3/14	<ul> <li>by means of fluid [1, 2006.01]</li> <li>Producing flour or meal directly [1, 2006.01]</li> </ul>
	Devices with rotary parts [1, 2000.01]		
1/08	Conditioning grain with respect to temperature or water content (air conditioning or ventilating of silos     Total descriptions and the silver are silver as the silv	5/00	Grain treatment not otherwise provided for [1, 2006.01]
1/08		<b>5/00</b> 5/02	

CRUSHING, PULVERISING, OR DISINTEGRATING IN GENERAL; MILLING GRAIN (obtaining metallic powder by B02C crushing, grinding or milling B22F 9/04)

## **Subclass index**

DISINTEGRATING IN (	GENERAL
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**Degerming [1, 2006.01]** 

Using reciprocating or rotary crushers	1/00, 2/00
Using rollers	
Using discs	7/00
Using rotary beaters	13/00
By tumbling	17/00
Otherwise	
Auxiliary methods, accessories	23/00
DISINTEGRATING PLANT; CONTROL ARRANGEMENTS	21/00, 25/00
MILLING METHODS OR MILLS SPECIALLY ADAPTED FOR GRAIN; ACCESSO	ORIES THEREFOR4/06, 4/16, 4/24, 4/38, 7/13,
	9/00 11/00

3, 7/18, 9/00, 11/00

1/00	Crushing or disintegrating by reciprocating members [1, 2006.01]	2/00	Crushing or disintegrating by gyratory or cone crushers [1, 2006.01]
1/02	<ul> <li>Jaw crushers or pulverisers [1, 2006.01]</li> </ul>	2/02	<ul> <li>eccentrically moved [1, 2006.01]</li> </ul>
1/04	<ul> <li>with single-acting jaws [1, 2006.01]</li> </ul>	2/04	• • with vertical axis [1, 2006.01]
1/06	<ul> <li>with double-acting jaws [1, 2006.01]</li> </ul>	2/06	• • • and with top bearing <b>[1, 2006.01]</b>
1/08	<ul> <li>with jaws coacting with a rotating</li> </ul>	2/08	<ul> <li>with horizontal axis [1, 2006.01]</li> </ul>
	roller <b>[1, 2006.01]</b>	2/10	<ul> <li>concentrically moved; Bell crushers [1, 2006.01]</li> </ul>
1/10	<ul> <li>Shape or construction of jaws [1, 2006.01]</li> </ul>		
1/12	<ul> <li>Mills with non-rotating spiked members [1, 2006.01]</li> </ul>	4/00	Crushing or disintegrating by roller mills (with
1/14	• Stamping mills [1, 2006.01]		milling members in the form of rollers or balls co- operating with rings or discs B02C 15/00; roller mills or

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roll refiners exclusively for chocolate A23G 1/10,

A23G 1/12) [1, 2006.01]

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4/02	• with two or more rollers [1, 2006.01]	11/02	<ul> <li>Breaking up amassed particles, e.g. flakes [1, 2006.01]</li> </ul>
4/04	<ul> <li>specially adapted for milling paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> </ul>	11/04	• Feeding devices [1, 2006.01]
4/06	• • specially adapted for milling grain [1, 2006.01]	11/06	<ul> <li>Arrangements for preventing fire or explosion</li> </ul>
4/08	<ul> <li>with co-operating corrugated or toothed crushing- rollers [1, 2006.01]</li> </ul>		(methods for preventing or extinguishing fires, devices therefor A62C) [1, 2006.01]
4/10	with a roller co-operating with a stationary	11/08	<ul> <li>Cooling, heating, ventilating, conditioning with</li> </ul>
4/10	member [1, 2006.01]		respect to temperature or water content (conditioning
4/12	• in the form of a plate [1, 2006.01]		grain before milling B02B 1/08; air-conditioning or
4/14	• • specially adapted for milling paste-like		ventilating in general F24F) [1, 2006.01]
4/14	material, e.g. paint, chocolate,		
	colloids [1, 2006.01]	13/00	Disintegrating by mills having rotary beater
4/16	• • specially adapted for milling grain [1, 2006.01]		elements [1, 2006.01]
4/18	• • in the form of a bar [1, 2006.01]	13/02	<ul> <li>with horizontal rotor shaft (with axial flow</li> </ul>
	_ · · · · · · · · · · · · · · · · · · ·		B02C 13/10) <b>[1, 2006.01]</b>
4/20	<ul> <li>• wherein the roller is corrugated or toothed [1, 2006.01]</li> </ul>	13/04	<ul> <li>with beaters hinged to the rotor; Hammer</li> </ul>
4/22	• • specially adapted for milling paste-like		mills <b>[1, 2006.01]</b>
4/22	material, e.g. paint, chocolate,	13/06	<ul> <li>with beaters rigidly connected to the</li> </ul>
	colloids [1, 2006.01]		rotor [1, 2006.01]
4/24	• • • specially adapted for milling grain [1, 2006.01]	13/08	• • • and acting as a fan [1, 2006.01]
4/26	• • in the form of a grid or grating [1, 2006.01]	13/09	• • • and throwing the material against an anvil or
4/28	<ul> <li>Details [1, 2006.01]</li> </ul>		impact plate [1, 2006.01]
		13/10	<ul> <li>with horizontal rotor shaft and axial</li> </ul>
4/30	• • Shape or construction of rollers [1, 2006.01]		flow <b>[1, 2006.01]</b>
4/32	Adjusting, applying pressure to, or controlling the	13/12	<ul> <li>with vortex chamber [1, 2006.01]</li> </ul>
4 / 5 4	distance between, milling members [1, 2006.01]	13/13	<ul> <li>with horizontal rotor shaft and combined with sifting</li> </ul>
4/34	• • in mills wherein a roller co-operates with a		devices, e.g. for making powdered fuel [1, 2006.01]
4./06	stationary member [1, 2006.01]	13/14	<ul> <li>with vertical rotor shaft, e.g. combined with sifting</li> </ul>
4/36	• • in mills specially adapted for paste-like		devices [1, 2006.01]
4/20	materials [1, 2006.01]	13/16	• • with beaters hinged to the rotor [1, 2006.01]
4/38	• • in grain mills [1, 2006.01]	13/18	<ul> <li>with beaters rigidly connected to the</li> </ul>
4/40	• Detachers, e.g. scrapers [1, 2006.01]		rotor [1, 2006.01]
4/42	Driving mechanisms; Roller speed     11 2006 011	13/20	<ul> <li>with two or more co-operating rotors [1, 2006.01]</li> </ul>
4/44	control [1, 2006.01]	13/22	<ul> <li>with intermeshing pins [1, 2006.01]</li> </ul>
4/44	• Cooling or heating rollers or bars [1, 2006.01]	13/24	<ul> <li>arranged around a vertical axis [1, 2006.01]</li> </ul>
7/00	Crushing or disintegrating by disc mills (apparatus	13/26	• Details <b>[1, 2006.01]</b>
7,00	specially adapted for manufacture or treatment of cocoa	13/28	<ul> <li>Shape or construction of beater</li> </ul>
	or cocoa products exclusively A23G 1/04) [1, 2006.01]		elements [1, 2006.01]
7/02	<ul> <li>with coaxial discs [1, 2006.01]</li> </ul>	13/282	<ul> <li>Shape or inner surface of mill-</li> </ul>
7/04	<ul> <li>with concentric circles of intermeshing</li> </ul>		housings [1, 2006.01]
	teeth [1, 2006.01]	13/284	• • • Built-in screens [1, 2006.01]
7/06	• • with horizontal axis (B02C 7/04 takes	13/286	<ul> <li>Feeding or discharge [1, 2006.01]</li> </ul>
	precedence) [1, 2006.01]	13/288	<ul> <li>Ventilating, or influencing air</li> </ul>
7/08	<ul> <li>with vertical axis (B02C 7/04 takes</li> </ul>		circulation <b>[1, 2006.01]</b>
	precedence) [1, 2006.01]	13/30	<ul> <li>Driving mechanisms [1, 2006.01]</li> </ul>
7/10	<ul> <li>with eccentric discs [1, 2006.01]</li> </ul>	13/31	• • Safety devices or measures [1, 2006.01]
7/11	• Details [1, 2006.01]	4= 400	
7/12	• • Shape or construction of discs [1, 2006.01]	15/00	Disintegrating by milling members in the form of
7/13	-		77 7 77
	• • • for grain mills [1, 2006.01]		rollers or balls co-operating with rings or
//14	<ul> <li>• for grain mills [1, 2006.01]</li> <li>• Adjusting, applying pressure to, or controlling</li> </ul>	45 /00	discs [1, 2006.01]
7/14	Adjusting, applying pressure to, or controlling	15/02	<ul><li>discs [1, 2006.01]</li><li>Centrifugal pendulum-type mills [1, 2006.01]</li></ul>
	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> </ul>	15/02 15/04	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g.</li> </ul>
7/16	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> </ul>	15/04	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> </ul>
7/16 7/17	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> </ul>		<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a</li> </ul>
7/16	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material,</li> </ul>	15/04	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04</li> </ul>
7/16 7/17 7/175	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> </ul>	15/04 15/06	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> </ul>
7/16 7/17	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material,</li> </ul>	15/04	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against</li> </ul>
7/16 7/17 7/175	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> </ul>	15/04 15/06	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of</li> </ul>
7/16 7/17 7/175 7/18	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> <li>Disc mills specially adapted for grain [1, 2006.01]</li> </ul>	15/04 15/06	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by a centrally arranged member</li> </ul>
7/16 7/17 7/175 7/18	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> <li>Disc mills specially adapted for grain [1, 2006.01]</li> <li>Other milling methods or mills specially adapted for</li> </ul>	15/04 15/06 15/08	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by a centrally arranged member (B02C 15/02 takes precedence) [1, 2006.01]</li> </ul>
7/16 7/17 7/175 7/18 <b>9/00</b>	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> <li>Disc mills specially adapted for grain [1, 2006.01]</li> <li>Other milling methods or mills specially adapted for grain [1, 2006.01]</li> </ul>	15/04 15/06	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by a centrally arranged member (B02C 15/02 takes precedence) [1, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against</li> </ul>
7/16 7/17 7/175 7/18 <b>9/00</b> 9/02	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> <li>Disc mills specially adapted for grain [1, 2006.01]</li> <li>Other milling methods or mills specially adapted for grain [1, 2006.01]</li> <li>Cutting or splitting grain [1, 2006.01]</li> </ul>	15/04 15/06 15/08	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by a centrally arranged member (B02C 15/02 takes precedence) [1, 2006.01]</li> </ul>
7/16 7/17 7/175 7/18 <b>9/00</b> 9/02 9/04	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> <li>Disc mills specially adapted for grain [1, 2006.01]</li> <li>Other milling methods or mills specially adapted for grain [1, 2006.01]</li> <li>Cutting or splitting grain [1, 2006.01]</li> <li>Systems or sequences of operations; Plant [1, 2006.01]</li> </ul>	15/04 15/06 15/08	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by a centrally arranged member (B02C 15/02 takes precedence) [1, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of</li> </ul>
7/16 7/17 7/175 7/18 <b>9/00</b> 9/02	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> <li>Disc mills specially adapted for grain [1, 2006.01]</li> <li>Other milling methods or mills specially adapted for grain [1, 2006.01]</li> <li>Cutting or splitting grain [1, 2006.01]</li> <li>Systems or sequences of operations; Plant [1, 2006.01]</li> <li>Other auxiliary devices or accessories specially</li> </ul>	15/04 15/06 15/08	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by a centrally arranged member (B02C 15/02 takes precedence) [1, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by other means than a centrally-</li> </ul>
7/16 7/17 7/175 7/18 <b>9/00</b> 9/02 9/04	<ul> <li>Adjusting, applying pressure to, or controlling distance between, discs [1, 2006.01]</li> <li>Driving mechanisms [1, 2006.01]</li> <li>Cooling or heating of discs [1, 2006.01]</li> <li>Disc mills specially adapted for paste-like material, e.g. paint, chocolate, colloids [1, 2006.01]</li> <li>Disc mills specially adapted for grain [1, 2006.01]</li> <li>Other milling methods or mills specially adapted for grain [1, 2006.01]</li> <li>Cutting or splitting grain [1, 2006.01]</li> <li>Systems or sequences of operations; Plant [1, 2006.01]</li> </ul>	15/04 15/06 15/08 15/10	<ul> <li>discs [1, 2006.01]</li> <li>Centrifugal pendulum-type mills [1, 2006.01]</li> <li>Mills with pressed pendularly-mounted rollers, e.g. spring pressed [1, 4, 2006.01]</li> <li>Mills with rollers forced against the interior of a rotary ring, e.g. under spring action (B02C 15/04 takes precedence) [1, 4, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by a centrally arranged member (B02C 15/02 takes precedence) [1, 2006.01]</li> <li>Mills with balls or rollers centrifugally forced against the inner surface of a ring, the balls or rollers of which are driven by other means than a centrally-arranged member [1, 2006.01]</li> </ul>

15/14	• Edge runners, e.g. Chile mills [1, 2006.01]	19/11	High-speed drum mills (for separating
15/16	<ul> <li>with milling members essentially having different peripheral speeds and in the form of a hollow</li> </ul>	19/16	B04B) <b>[1, 2006.01]</b> • Mills provided with vibrators (tumbling mills
	cylinder or cone and an internal roller or	13/10	B02C 17/14) [1, 2006.01]
	cone [1, 2006.01]	19/18	<ul> <li>Use of auxiliary physical effects, e.g. ultrasonics,</li> </ul>
17/00	Disintegrating by tumbling mills, i.e. mills having a		irradiation, for disintegrating [1, 2006.01]
17700	container charged with the material to be	19/20	• Disintegrating by grating [1, 2006.01]
	disintegrated with or without special disintegrating	19/22	<ul> <li>Crushing mills with screw-shaped crushing means [1, 2006.01]</li> </ul>
	members such as pebbles or balls (high-speed drum		
17/02	mills B02C 19/11) <b>[1, 2006.01]</b> • with perforated container <b>[1, 2006.01]</b>	21/00	Disintegrating plant with or without drying of the
17/02	<ul> <li>with unperforated container [1, 2006.01]</li> </ul>	21 /02	material (for grain B02C 9/04) [1, 2006.01]
17/06	• • with several compartments [1, 2006.01]	21/02	• Transportable disintegrating plant [1, 2006.01]
17/07	• • • in radial arrangement [1, 2006.01]	23/00	Auxiliary methods or auxiliary devices or accessories
17/08	<ul> <li>with containers performing a planetary</li> </ul>		specially adapted for crushing or disintegrating not
	movement [1, 2006.01]		provided for in groups B02C 1/00-B02C 21/00 or not specially adapted to apparatus covered by one only
17/10	• with one or a few disintegrating members arranged in		of groups B02C 1/00-B02C 21/00 (separating or sorting
17/14	<ul><li>the container [1, 2006.01]</li><li>Mills in which the charge to be ground is turned over</li></ul>		in general B03, B04, B07) <b>[1, 2006.01]</b>
1//14	by movements of the container other than by rotating,	23/02	<ul> <li>Feeding devices (transport devices in general</li> </ul>
	e.g. by swinging, vibrating, tilting [1, 2006.01]	22.40.4	B65G) [1, 2006.01]
17/16	<ul> <li>Mills in which a fixed container houses stirring</li> </ul>	23/04	• Safety devices (in general F16P) [1, 2006.01]
.=	means tumbling the charge [1, 2006.01]	23/06	<ul> <li>Selection or use of additives to aid disintegrating [1, 2006.01]</li> </ul>
17/18	• Details [1, 2006.01]	23/08	Separating or sorting of material, associated with
17/20 17/22	<ul><li>Disintegrating members [1, 2006.01]</li><li>Lining for containers [1, 2006.01]</li></ul>		crushing or disintegrating (B02C 23/18 takes
17/24	<ul> <li>Driving mechanisms [1, 2006.01]</li> </ul>		precedence) [2, 2006.01]
1//24	Driving mechanisms [1, 2000.01]	23/10	• • with separator arranged in discharge path of
18/00	Disintegrating by knives or other cutting or tearing	23/12	<ul><li>crushing or disintegrating zone [2, 2006.01]</li><li>with return of oversize material to crushing or</li></ul>
	members which chop material into fragments (slicing B26D); Mincing machines or similar apparatus using	25/12	disintegrating zone [2, 2006.01]
	worms or the like (machines for domestic use not	23/14	• • with more than one separator [2, 2006.01]
	covered otherwise A47J 43/04; multi-purpose machines	23/16	<ul> <li>with separator defining termination of crushing or</li> </ul>
	for preparing food A47J 44/00) [1, 2006.01]		disintegrating zone, e.g. screen denying egress of
18/02	• with reciprocating knives [1, 2006.01]	22/10	oversize material [2, 2006.01]
18/04	• Details [1, 2006.01]	23/18	<ul> <li>Adding fluid, other than for crushing or disintegrating by fluid energy (feeding devices</li> </ul>
18/06 18/08	<ul><li>with rotating knives [1, 2006.01]</li><li>within vertical containers [1, 2006.01]</li></ul>		B02C 23/02) [2, 2006.01]
18/10	• • • with drive arranged above	23/20	<ul> <li>after crushing or disintegrating [2, 2006.01]</li> </ul>
10/10	container [1, 2006.01]	23/22	• • with recirculation of material to crushing or
18/12	• • • with drive arranged below	22.72.4	disintegrating zone [2, 2006.01]
	container [1, 2006.01]	23/24	<ul> <li>Passing gas through crushing or disintegrating zone (B02C 23/38, B02C 23/40 take</li> </ul>
18/14	• • within horizontal containers [1, 2006.01]		precedence) [2, 2006.01]
18/16	• Details [1, 2006.01]	23/26	characterised by point of gas entry or exit or by
18/18 18/20	<ul><li>• Knives; Mountings thereof [1, 2006.01]</li><li>• Sickle-shaped knives [1, 2006.01]</li></ul>		gas flow path [2, 2006.01]
18/22	• • Feed or discharge means [1, 2006.01]	23/28	• • gas moving means being integral with, or
18/24	• • • Drives [1, 2006.01]		attached to, crushing or disintegrating element [2, 2006.01]
18/26	with knives which both reciprocate and	23/30	• • • the applied gas acting to effect material
	rotate [1, 2006.01]		separation (B02C 23/34 takes
18/28	• with spiked cylinders [1, 2006.01]		precedence) [2, 2006.01]
18/30	Mincing machines with perforated discs and feeding     11, 2006, 011	23/32	• • • with return of oversize material to crushing or
18/32	worms [1, 2006.01]  • with sharpening devices [1, 2006.01]		disintegrating zone (B02C 23/34 takes precedence) [ <b>2, 2006.01</b> ]
18/34	<ul> <li>with means for cleaning the perforated</li> </ul>	23/34	• • gas being recirculated to crushing or
10/51	discs [1, 2006.01]		disintegrating zone [2, 2006.01]
18/36	• • Knives or perforated discs [1, 2006.01]	23/36	• • the crushing or disintegrating zone being
18/38	• • Drives [1, 2006.01]	DD / DO	submerged in liquid [2, 2006.01]
19/00	Other disintegrating devices or methods (for grain	23/38	<ul> <li>in apparatus having multiple crushing or disintegrating zones [2, 2006.01]</li> </ul>
13/00	B02C 9/00) [1, 2006.01]	23/40	<ul> <li>with more than one means for adding fluid to the</li> </ul>
19/06	• Jet mills [1, 2006.01]	_5, 10	material being crushed or
19/08	• Pestle and mortar [1, 2006.01]		disintegrated [2, 2006.01]
19/10	Mills in which a friction block is towed along the	25/00	Control arrangements specially adapted for crushing
	surface of a cylindrical or annular	25/00	or disintegrating [1, 2006.01]
	member [1, 2006.01]		

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