

## SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

### F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

**F23K FEEDING FUEL TO COMBUSTION APPARATUS** (fuel feeders specially adapted for fluidised bed combustion apparatus F23C 10/22; regulating or controlling combustion F23N)

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| <p><b>1/00 Preparation of lump or pulverulent fuel in readiness for delivery to combustion apparatus</b> (filtration B01D; mixing B01F; pulverising B02C; drying F26B)</p> <p>1/02 • Mixing solid fuel with a liquid, e.g. preparing slurries</p> <p>1/04 • Heating fuel prior to delivery to combustion apparatus</p> <p><b>3/00 Feeding or distributing of lump or pulverulent fuel to combustion apparatus</b> (conveying in general B65G)</p> <p>3/02 • Pneumatic feeding arrangements, i.e. by air blast</p> <p>3/04 • for locomotive boiler furnaces</p> <p>3/06 • for shaft-type furnaces</p> <p>3/08 • for furnaces having movable grate bars</p> <p>3/10 • Under-feed arrangements</p> <p>3/12 • • feeding by piston</p> <p>3/14 • • feeding by screw</p> <p>3/16 • Over-feed arrangements</p> <p>3/18 • • Spreader stokers</p> <p>3/20 • • • with moving hoppers</p> <p>3/22 • Controlling thickness of fuel bed</p> <p><b>5/00 Feeding or distributing other fuel to combustion apparatus</b></p> | <p>5/02 • Liquid fuel [5]</p> <p>5/04 • • Feeding or distributing systems using pumps (F23K 5/06 takes precedence) [5]</p> <p>5/06 • • • from a central source to a plurality of burners [5]</p> <p>5/08 • • Preparation of fuel [5]</p> <p>5/10 • • • Mixing with other fluids [5]</p> <p>5/12 • • • • Preparing emulsions (burners spraying an emulsion of water and fuel into the combustion space F23D 11/16) [5]</p> <p>5/14 • • Details thereof [5]</p> <p>5/16 • • • Safety devices (F23K 5/18 takes precedence; safety arrangements for combustion chambers F23M 11/00) [5]</p> <p>5/18 • • • Cleaning or purging devices, e.g. filters [5]</p> <p>5/20 • • • Preheating devices (in burners using a direct spraying action of liquid droplets or vaporised liquid into the combustion space F23D 11/44) [5]</p> <p>5/22 • • • Vaporising devices (in burners using a direct spraying action of liquid droplets or vaporised liquid into the combustion space F23D 11/44) [5]</p> |
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