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)

1/00 Preparation of lump or pulverulent fuel in readiness for delivery to combustion apparatus (filtration B01D; mixing B01F; pulverising B02C; drying F26B) **[1, 2006.01]**

1/02 • Mixing solid fuel with a liquid, e.g. preparing slurries **[1, 2006.01]**

1/04 • Heating fuel prior to delivery to combustion apparatus **[1, 2006.01]**

3/00 Feeding or distributing of lump or pulverulent fuel to combustion apparatus (conveying in general B65G) **[1, 2006.01]**

3/02 • Pneumatic feeding arrangements, i.e. by air blast **[1, 2006.01]**

3/04 • for locomotive boiler furnaces **[1, 2006.01]**

3/06 • for shaft-type furnaces **[1, 2006.01]**

3/08 • for furnaces having movable grate bars **[1, 2006.01]**

3/10 • Under-feed arrangements **[1, 2006.01]**

3/12 • • feeding by piston **[1, 2006.01]**

3/14 • • feeding by screw **[1, 2006.01]**

3/16 • Over-feed arrangements **[1, 2006.01]**

3/18 • • Spreader stokers **[1, 2006.01]**

3/20 • • • with moving hoppers **[1, 2006.01]**

3/22 • Controlling thickness of fuel bed **[1, 2006.01]**

5/00 Feeding or distributing other fuel to combustion apparatus [1, 2006.01]

5/02 • Liquid fuel **[5, 2006.01]**

5/04 • • Feeding or distributing systems using pumps (F23K 5/06 takes precedence) **[5, 2006.01]**

5/06 • • from a central source to a plurality of burners **[5, 2006.01]**

5/08 • • Preparation of fuel **[5, 2006.01]**

5/10 • • • Mixing with other fluids **[5, 2006.01]**

5/12 • • • • Preparing emulsions (burners spraying an emulsion of water and fuel into the combustion space F23D 11/16) **[5, 2006.01]**

5/14 • • Details thereof **[5, 2006.01]**

5/16 • • • Safety devices (F23K 5/18 takes precedence; safety arrangements for combustion chambers F23M 11/00) **[5, 2006.01]**

5/18 • • • Cleaning or purging devices, e.g. filters **[5, 2006.01]**

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, 2006.01]**

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, 2006.01]**