ditions but with a total slurry residence time of 0.3-0.5 hrs. No hydrogenation, downstream or otherwise, of the relative ly H-depleted recycle solvent is required. DETAILS (A) is pref. a tubular zone, suitably in two stages, a first heated, and a serially connected, second, unheated stage. The prefd. reaction conditions are 460-490 (esp. about 475)°C, an H2 pressure of 2000-2500 (esp. about 2000) psig and a residence time of 0.02-0.15 (esp. 0.06-0.135) hrs. The H2 feed rate to (A) is 0.5-6 (pref. 1.5-4) wt.% based on the feed slurry, and the H2 consumption is 0.5-2.5 wt.%

Distillate liquid (C,-454 °C) yields are at least equal to

entering the sepn. zone. The quench fluid is pref. a cool distillate. In one embodiment, in addition to the first fraction of the sepn., i.e. the solvent-boiling-range liquid, a portion of the second fraction - a slurry of normally solid dissolved coal, mineral residue and solvent-boiling-range liquid - is also recycled to the liquefaction zone. (50pp 920). (E) ISR: No Search Report. EP--47570

Quenching may be effected before or on the effluent