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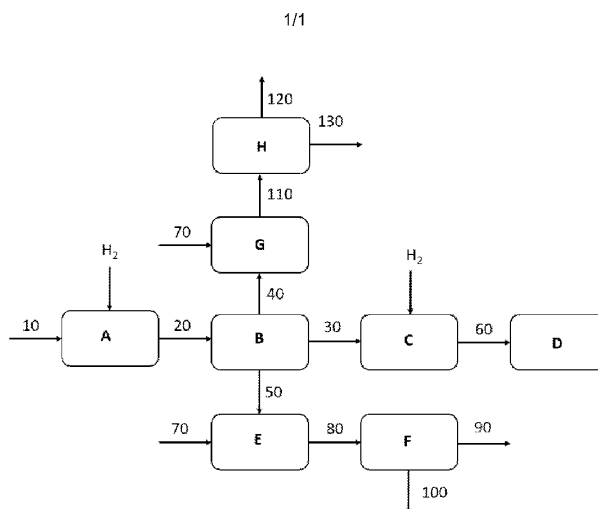


Figure 1

(57) Abstract: The present invention relates to methods for processing liquefied waste polymers (LWP; 10) comprising diolefins and naphtha. Hydrotreatment A of the diolefins produces a diolefin depleted LWP feed (20) which is separated by distillation B to 5 give rise to one or more distillates comprising at least a naphtha fraction (30), an optional middle fraction (40) and a distillation bottom (50). Hydroprocessing C of the naphtha fraction gives rise to hydrogenated naphtha fraction (60) which is suitable as a feed for a steam cracker D. The distillation bottom (50) and the middle fraction (40) can be mixed with crude oil (70) and used in oil refinery since they are 10 predominantly free from diolefins.

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