

Title (en)

PROCESS FOR CHARGING CONTINUOUSLY A MIXTURE OF SOLIDS AND LIQUID TO BE GASIFIED

Publication

EP 0474626 A3 19920506 (DE)

Application

EP 91890197 A 19910902

Priority

AT 181690 A 19900905

Abstract (en)

[origin: EP0474626A2] In a process for charging continuously a mixture containing solids and a liquid to be gasified, the mixture is transferred into the reactor under a pressure above that of a reactor by means of a transfer element which includes at least one screw driven in rotation, the reactor being maintained at a pressure above atmospheric pressure, wherein a particulate plastic, especially thermoplastic, for example polyethylene, polypropylene, polystyrene, polyvinyl chloride, polyester or the like are added as a solid to the transfer element, a liquid which has, at a transfer temperature of between 50 and 150 DEG C, especially 70 to 130 DEG C, a relatively high viscosity of at least 300 cSt, especially at least 500 cSt, at the transfer temperature is added in the liquid form as well as, if appropriate, further additives, such as scrap rubber and the like, and these are thoroughly mixed in the transfer element by means of the screw, and the mixture is continuously introduced, as appropriate, via a further mixing chamber, into the reactor in which a pressure of preferably 15 to 35 bar and especially 20 to 30 bar is maintained.

IPC 1-7

C10J 3/30

IPC 8 full level

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Citation (search report)

- [A] EP 0294627 A2 19881214 - VEBA OEL ENTWICKLUNGS GMBH [DE], et al
- [A] GB 1450285 A 19760922 - MOUTRAY CO LTD HENRY
- [A] DE 1454738 A1 19690430 - FELLNER & ZIEGLER GMBH
- [A] DATABASE WPI, Accession Nr. 78-15213A [08], Derwent Publications Ltd, London, GB; & JP-A-53 004 002 (MITSUBISHI HEAVY IND.)

Cited by

EP0722480A4; US5827336A; WO9411465A1; WO2022038309A1

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