

Title (en)
PROCESS FOR THE RECOVERY OF CARBON-CONTAINING WASTES

Publication
EP 0236701 B1 19900502 (DE)

Application
EP 87100875 A 19870122

Priority
DE 3602041 A 19860124

Abstract (en)
1. A process for treating carbon-bearing organic wastes of synthetic or predominantly synthetic origin, with hydrogen and/or hydrogen-bearing gases and/or hydrogen-transferring solvents, possibly in the presence of a catalyst or catalysts, characterised in that : a) the treatment is carried out at a temperature of from 200 to 600 degrees C, preferably from 200 to 540 degrees C and particularity preferably from 300 to 540 degrees C, under a pressure of from 30 to 500 bars, preferably from 50 to 450 bars and particularity preferably from 50 to 350 bars and for a residence time of from 1 minute to 8 hours, preferably 10 minutes to 6 hours and particular preferably from 15 minutes to 4 hours, and b) the carbon-bearing organic wastes of synthetic or predominantly synthetic origin are at least partially subjected to a preliminary treatment in hydrogen and/or hydrogen-bearing gases and/or hydrogen-transferring solvents, at a temperature of from 75 to 600 degrees C, preferably from 75 to 540 degrees C and particular preferably from 120 to 500 degrees C, under a pressure of from 1 to 600 bars, preferably from 1 to 500 bars and particular preferably from 1 to 350 bars, and for a residence time of from 1 minute to 6 hours, preferably from 1 minute to 4 hours, and/or are at least in part subjected to a preliminary treatment in an inert atmosphere at a temperature of from 75 to 600 degrees C, preferably from 75 to 500 degrees C, particular preferably from 120 to 475 degrees C, under a pressure of from 1 to 600 bars, preferably from 1 to 500 bars and particular preferably from 1 to 350 bars, and for a residence time of from 1 minute to 6 hours, preferably from 1 minute to 4 hours.

IPC 1-7
C10G 1/06

IPC 8 full level
C10G 1/00 (2006.01); **C10G 1/06** (2006.01); **C10G 1/08** (2006.01)

CPC (source: EP US)
C10G 1/065 (2013.01 - EP US); **C10G 1/086** (2013.01 - EP US); **Y10S 423/18** (2013.01 - EP US)

Cited by
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US 4982027 A 19910101; AT E53859 T1 19900615; AU 583704 B2 19890504; AU 6809087 A 19870806; BR 8700298 A 19871201; CA 1300540 C 19920512; CN 87101612 A 19871028; DD 261170 A1 19881019; DE 3602041 A1 19870730; DE 3602041 C2 19960229; DE 3762522 D1 19900607; EP 0236701 A1 19870916; EP 0236701 B1 19900502; ES 2000077 A4 19871116; ES 2000077 B3 19900816; GR 3000553 T3 19910731; GR 880300006 T1 19890622; IN 169120 B 19910907; JP S62253689 A 19871105; PL 263795 A1 19880204; ZA 87408 B 19870826

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US 30302889 A 19890126; AT 87100875 T 19870122; AU 6809087 A 19870127; BR 8700298 A 19870123; CA 527981 A 19870123; CN 87101612 A 19870123; DD 29943287 A 19870123; DE 3602041 A 19860124; DE 3762522 T 19870122; EP 87100875 A 19870122; ES 87100875 T 19870122; GR 880300006 T 19890622; GR 900400370 T 19900613; IN 44DE1987 A 19870121; JP 1264687 A 19870123; PL 26379587 A 19870123; ZA 87408 A 19870120