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(21) International Application Number: PCT/EP98/02576 (22) International Filing Date: 24 April 1998 (24.04.98) (30) Priority Data: 97201250.4 / 25 April 1997 (25.04.97) / EP (34) Countries for which the regional or international application was filed: GB et al. (71) Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL). (72) Inventors: WANG, Hongwei; Badhuisweg 3, NL-1031 CM Amsterdam (NL). VAN MOURIK, Arian; Badhuisweg 3, NL-1031 CM Amsterdam (NL). PEBNSTR, Jacob; Badhuisweg 3, NL-1031 CM Amsterdam (NL). REK, Paulus, Johannes, Maria; Badhuisweg 3, NL-1031 CM Amsterdam (NL). TROMP, Petrus, Joannes, Josephus; Badhuisweg 3, NL-1031 CM Amsterdam (NL).		(81) Designated States: CN, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.
(54) Title: PROCESS FOR MANUFACTURING ALLYLHALIDE AND EQUIPMENT TO BE USED THEREFOR (57) Abstract A process for manufacturing allylhalide from gaseous propene and a gaseous halogen comprising introducing propene into a tubular loop reactor (2) through an inlet nozzle (3); introducing gaseous halogen into the tubular loop reactor (2) through several axially spaced groups (6) of radially placed inlet openings (4); allowing the propene and the halogen to react; and removing reaction effluent from the tubular loop reactor (2) through an outlet opening (9), wherein the concentration of halogen in any reactor volume-element is maintained below 3 % by mass based on the total gas mixture, and wherein the linear gas velocity of the propene exiting the inlet nozzle is at least sufficient to maintain a continuous circulation within the tubular loop reactor (2) and equipment to be used for said process.		