

## Title (en)

BENZOYLCYCLOHEXENONES, METHODS OF PREPARING THEM AND THEIR USE AS HERBICIDES AND PLANT-GROWTH REGULATORS.

## Title (de)

BENZOCYCLOHEXENONE, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG ALS HERBIZIDE UND PFLANZENWACHSTUMSREGULATOREN.

## Title (fr)

BENZOYLCYCLOHEXENONES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION COMME HERBICIDES ET REGULATEURS DE CROISSANCE DES VEGETAUX.

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## Application

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## Abstract (en)

[origin: CA2151498A1] Compounds of the formula (I) <IMG> (I) in which n is 0 to 6, X is halogen, CN, OCN, SCN, C2-C4-alkynyl or CHR<sup>5</sup>R<sup>6</sup> in which R<sup>5</sup> and R<sup>6</sup> independently of one another are CN, NO<sub>2</sub>, formyl, (halogen-substituted) (C1-C4-alkyl)carbonyl or (halogen-substituted) (C1-C4-alkoxy)carbonyl or (substituted) phenylcarbonyl, R<sup>1</sup> is (halogen-substituted) C1-C4-alkyl, (halogensubstituted) C3-C6-cycloalkyl or (substituted) phenyl, R<sup>2</sup> is halogen, CN, NO<sub>2</sub>, C1-C3-alkyl, C1-C3-alkoxy, C1-C3-haloalkyl, C1-C3-haloalkoxy or R<sup>7</sup>S(O)<sub>m</sub>- in which R<sup>7</sup> is C1-C3-alkyl and m is zero, one or two, R<sup>3</sup> is H, halogen, OH, C1-C3-alkyl, C1-C3-alkoxy, C1-C3- haloalkyl, C1-C3-haloalkoxy or (C1-C3-alkoxy)carbonyl and R<sup>4</sup> is H, CN, NO<sub>2</sub>, halogen, C1-C3-haloalkyl, C1-C3-halo- alkoxy or R<sup>8</sup>S(O)<sub>p</sub>- in which R<sup>8</sup> is C1-C3-alkyl and p is zero, one or two, are suitable according to the invention as selective herbicides or plant growth regulators. The compounds as such, with the exception of the compounds (I) in which X is C1, are also novel. They can be prepared from 2-benzoyl-1,3-cyclohexanediones via a multiplicity of routes.

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